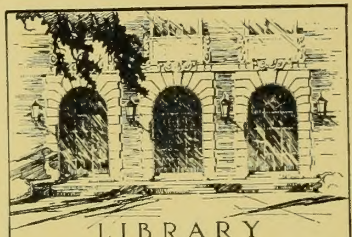

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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

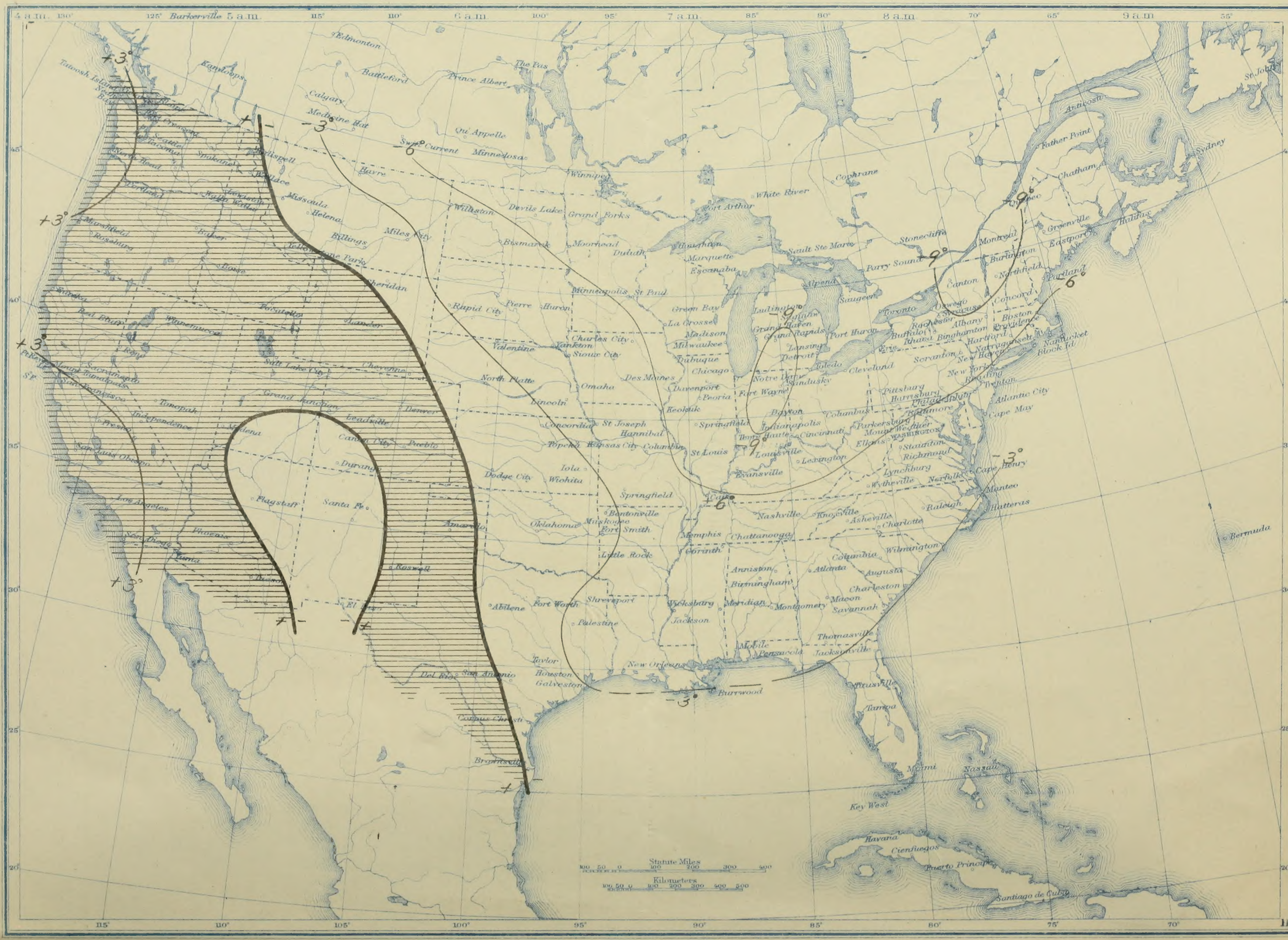
SOUTH CAROLINA SECTION

FEBRUARY, 1914

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

RALEIGH, N. C.
WEATHER BUREAU OFFICE
April 10, 1914.

Departure of the Mean Temperature from the Normal, February, 1914.



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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

Vol. XVII. Columbia, S. C., February, 1914. No. 2

GENERAL SUMMARY.

February was a typical winter month, with marked cold waves on the 12th and 13th, accompanied by cold rains and sleet, and on the 24th, 25th and 26th, attended by record-breaking snowstorms, with 10 to 18 inches of snow over a large portion of the Section. The thermal conditions for the month as a whole were below the seasonal average.

Temperatures ranged above normal during the first week and during a short period about the 19th. The remainder of the month was colder than usual, and after the 24th temperatures averaged about 15 degrees per day below normal.

Precipitation resulted from four important atmospheric disturbances—two that entered the country from the far Northwest and advanced eastward during the periods, 4th to 8th and 21st to 27th, one that originated on the middle slope of the Rocky Mountains on the 27th and disappeared off the south Atlantic coast by the 21st and one that developed over the east Gulf on the 13th and moved northeastward as a coast storm, disappearing over the north Atlantic by the 15th. The second and fourth storms were accompanied by the most disagreeble weather of the winter.

PRESSURE.

The mean sea-level atmospheric pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section was 30.15 inches. The highest pressure of the month ranged from 30.54 inches at Charlotte, N. C., and 30.55 inches at Columbia, S. C., and Savannah, Ga., on the 9th to 30.56 inches at Charleston, S. C., and 30.58 inches at Asheville, N. C., on the same date. The lowest pressure ranged from 29.60 inches at Savannah on the 28th and 29.63 inches at Charleston on the 20th to 29.70 inches at Columbia at the latter date.

TEMPERATURE.

The monthly mean for the Section, determined from reports from 38 stations, was 44.6°, or 2.1° below the established normal. The highest temperature was 78° at Dillon, Marion County, and Waterboro, Colleton County, on the 3d and at Trenton, Edgefield County on the 4th. The warmest periods of the month were between the 3d and 5th, inclusive, and from the 18th to 20th. Lowest temperature, 14° at Darlington, Darlington County, on the 27th. The coldest period of the month was generally on the 24th and 25th.

The winter closed with a mean temperature of 45.9°, or 0.2° below the normal.

PRECIPITATION.

Average for the Section, 47 stations reporting, 4.41 inches, or 0.09 of an inch below the established normal. Precipitation was well distributed over the section and thoughout the month and was confined principally to the following periods: 5th to 7th, 10th to 14th, 19th to 21st and 24th to 28th. The heaviest amounts occurred in the coast districts, where the measurements ranged from 6 to over 9 inches; in portions of Edgefield, Aiken, Lexington and Orangeburg counties the amounts were less than 3 inches. Greatest local monthly amount, 9.49 inches at Beaufort, Beaufort County; least, 2.79 inches at St. Matthews, Orangeburg County. Greatest amount in 24 hours at any single station, 2.90 inches at Beaufort, Beaufort County, on the 20th.

Two notable storms occurred during the month: First, a general rain and sleet storm on the 12th and 13th, which covered a large portion of the State with from 1 to 2.5 inches of ice and sleet. Second, a record-breaking snowstorm on the 25th and 26th, accompanied by 6 to 18 inches of snow over the entire Section, except along the immediate coast. The heaviest snows of 12 to 18 inches fell in the region from Newberry, Lexington, Richland and Clarendon Counties, northeastward over Chesterfield and Marlboro counties, the maximum depth being in the vicinity of Society Hill.

The winter closed with averaged total precipitation of 11.86 inches, or 0.66 of an inch above the established normal.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations, was 74 per cent. Highest monthly average, 78 per cent at Charleston, S. C., and Savannah, Ga.; lowest average, 69 per cent at Columbia. S. C.

WIND.

The prevailng winds were from the north. The average hourly velocity, determined from records of 7 stations having anemometers, was 9.3 miles. Highest averages, 12.0 miles per hour at Savannah, Ga., and 11.5 miles per hour at Charleston, S. C.; lowest, 7.6 miles per hour at Columbia, S. C., and 6.7 miles per hour at Augusta, Ga. The highest velocity for a 5 minute period ranged from 40 miles per hour from the northwest at Savannah, Ga., on the 28th down to 27 miles per hour from the northwest at Columbia, S. C. on the 16th.

SUNSHINE AND CLOUDINESS.

The total hours of sunshine, determined from 7 automatic records, averaged 161.5 hours, or about 53 per cent of the possible amount. Average number of clear days, 12; partly cloudy, 6; cloudy 10, or normal.

RIVER CONDITIONS.

Heavy rains above Cheraw on the 20th were followed by a freshet of 27.5 feet, or 0.5 foot above flood, in the Great Pee Dee at that point on the 21st and a flood stage of 14.2 feet, or 0.2 foot above flood, at Smiths Mills on the 28th. The Waccamaw River approached the flood stage at Conway at the close of the month. The Santee River was in flood at Rimini on the 9th, 10th and 11th and from the 22d to the 28th, with a stage of 13.0 feet, or 1 foot above flood on the 24th, 25th and 26th, and at Ferguson the river rose above flood after the 10th, with a stage of 13.1 feet, or 1.1 feet above flood, on the last three days. No material damage was reported. Little or no high water occurred in the remaining rivers of the Section.

Continued on page 16.

Climatological Data for February, 1914.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit on (0.01 in. or more).	Clear.	Part cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	25	47.6	− 0.6	73	3†	22	25	37	3.88	− 0.28	0.93	8.5	10	....	....	....	......	S. B. Rouse.
Beaufort	Beaufort	21	27	......	......	......	......	......	......	....	9.49	+ 5.71	2.90	3.0	7	....	....	....	......	Miss Lillian H. Rice.
Blackville	Barnwell	296	23	47.5	+ 0.3	76	3	19	26	40	3.46	− 0.91	1.05	7.0	9	....	....	....	......	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	11	45.4	− 2.3	73	5	20	26	41	5.23	+ 1.11	0.91	7.1	10	17	3	8	sw.	B. O. Evans.
Charleston	Charleston	48	43	48.6	− 3.1	69	19	26	25	29	6.87	+ 3.46	2.24	2.1	8	7	11	10	n.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	24	42.1	− 2.5	72	4	20	17†	36	4.96	+ 0.66	1.54	16.0	10	....	....	....	......	J. H. Powe.
Conway	Horry	25	21	45.1	− 2.3	75	19	23	17†	44	5.81	+ 1.30	1.80	7.0	10	8	1	19	n.	Paul Quattlebaum.
Darlington	Darlington	175	18	42.5	− 2.2	74	5	14	27	34	3.33	− 1.33	1.17	13.8	9	16	3	9	......	D. C. McCall.
Dillon	Marion	100	10	44.4	− 1.0	78	3	20	17†	35	4.03	− 0.69	1.25	10.0	10	....	....	....	ne.	A. E. Rowell.
Edisto ‡‡	Bamberg	143	26	......	......	......	......	......	......	....	4.18	− 0.83	1.12	9.0	12	....	....	....	......	Nathan Jenkins.
Effingham	Florence	106	21	......	......	......	......	......	......	....	5.48	+ 0.06	......	14.7	10	....	....	....	......	H. B. McCall.
Ferguson †††	Berkeley	63	25	48.5	+ 0.9	75	4	25	27	45	4.78	+ 0.77	1.25	7.5	9	10	7	11	......	Joseph P. Simons.
Florence	Florence	136	25	44.6	− 1.1	72	4	20	27	32	3.73	− 0.70	1.80	12.0	7	....	....	....	......	H. K. Gilbert.
Georgetown	Georgetown	12	19	45.3	− 3.4	71	3	22	25†	33	7.63	+ 3.32	1.85	5.0	8	15	5	8	n.	A. P. Hazard.
Kingstree	Williamsburg	54	25	46.2	− 1.5	74	19	20	26	39	4.13	− 0.10	0.84	6.0	8	....	....	....	......	A. O. Matthews.
Pinopolis **	Berkeley	54	20	46.4	− 2.4	70	4	25	25	....	4.95	+ 1.43	1.28	5.5	7	13	7	8	ne.	Miss E. P. Ravenel.
St. George	Dorchester	109	25	43.0	− 4.4	73	19	22	26	42†	......	......	......	8.0	....	....	....	....	......	Geo. N. Snelling, M. D.
St. Matthews	Calhoun	269	25	45.2	− 0.7	75	5	19	26	38	2.79	− 2.22	0.80	7.0	7	....	....	....	......	J. S. Wannamaker.
Smiths Mills	Georgetown	62	18	......	......	......	......	......	......	....	4.98	+ 0.51	1.30	6.0	11	....	....	....	......	W. G. Walker.
Society Hill	Darlington	192	22	43.6	− 0.8	72	3	20	24†	37	3.64	− 1.22	1.08	18.0	7	9	11	8	n.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	16	48.0	− 0.8	74	19	23	25	37	6.52	+ 2.22	1.84	4.0	9	4	18	6	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	11	49.0	− 1.5	78	3	24	17	42	5.63	+ 0.09	1.27	6.5	9	7	9	12	n.	J. A. Westerberg.
Yamassee	Hampton	24	18	46.8	− 1.6	76	19	23	26	42	4.57	+ 0.57	2.08	4.0	7	....	....	....	......	J. G. Hutson.
Western Portion.																				
Aiken	Aiken	527	19	45.4	− 1.6	72	5	20	25†	37	3.69	− 1.42	1.17	7.5	8	9	12	7	w.	W. M. Brown.
Anderson	Anderson	764	12	42.6	− 0.9	71	4	19	26	31	4.34	− 1.30	1.07	5.0	12	14	0	14	w.	H. H. Russell.
Batesburg	Lexington	656	25	45.3	+ 0.6	73	3	20	26	48	4.46	− 0.35	1.03	7.1	10	16	2	10	......	E. J. Hite.
Blairs	Fairfield	293	8	......	......	......	......	......	......	....	4.07	+ 0.28	0.90	11.0	8	....	....	....	......	J. N. Owens.
Calhoun Falls	Abbeville	508	21	......	......	......	......	......	......	....	4.55	− 0.60	0.81	5.0	13	....	....	....	......	L. M. Parker.
Camden	Kershaw	222	47	46.8	+ 0.4	73	5	24	25	30	4.56	+ 0.50	1.20	12.0	11	10	8	10	ne.	W. C. Brown.
Catawba	York	562	8	......	......	......	......	......	......	....	3.53	− 1.06	1.00	10.0	11	....	....	....	......	James C. Faris.
Chappells	Newberry	402	9	......	......	......	......	......	......	....	5.29	+ 1.44	2.65	6.5	10	....	....	....	......	J. J. Murran.
Clemson College	Oconee	850	22	43.3	+ 0.8	67	4	18	26	28	3.07	− 0.46	1.60	4.0	7	14	6	8	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	27	45.0	− 2.8	72	4	21	25	32	4.45	− 0.14	0.96	11.7	10	9	8	11	ne.	U. S. Weather Bureau.
Edgefield	Edgefield	......	....	......	......	......	......	......	......	....	2.99	....	0.85	7.0	7	....	....	....	......	T. L. Timmerman.
Gaston Shoals ‡‡	Cherokee	680	1	......	......	......	......	......	......	....	3.36	....	0.76	7.5	8	....	....	....	......	Harry A. Parshall.
Greenville	Greenville	989	21	40.4	− 0.1	71	4	20	8†	44	4.11	− 1.22	0.99	6.0	10	15	1	12	e.	Spartan Goodlette.
Greenwood	Greenwood	671	25	42.7	+ 0.4	71	4	20	26	34	3.09	− 1.79	0.52	6.0	8	....	....	....	......	M. M. Calhoun.
Heath Springs	Lancaster	568	12	40.1	− 2.1	67	4	18	26	29	......	....	......	....	4	15	5	8	w.	J. Marvin Bowers.
Liberty	Pickens	900	19	42.0	− 0.3	69	3	16	26	37	4.42	− 1.11	1.20	10.7	10	16	1	11	e.	John T. Boggs.
Little Mountain	Newberry	711	20	45.0	− 0.2	71	4	20	25†	31	4.48	− 0.32	1.40	14.0	10	16	0	12	n.	J. M. Sease, M. D.
Meriwether *	Edgefield	......	10	45.7	− 0.7	72	4	20	26	39	3.29	− 1.42	0.90	7.0	8	7	8	13	......	William S. Middleton.
Monetta	Saluda	400	2	45.0	......	73	4	20	25†	33	3.78	....	0.99	8.0	12	14	2	12	ne.	Joseph M. Johnson.
Newberry	Newberry	502	9	42.9	− 0.9	70	4†	21	25†	37	4.07	− 1.25	0.75	7.5	13	18	0	10	e.	Warren G. Petterson.
Pelzer	Anderson	850	10	......	......	......	......	......	......	....	3.91	− 0.99	1.30	5.0	12	....	....	....	......	Joshua Y. Jones.
Saluda	Saluda	536	11	45.2	− 1.4	72	4	20	25†	33	4.62	− 0.31	1.21	7.5	12	13	5	10	n.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	19	42.4	− 0.2	68	4	20	26	34	3.40	− 2.11	0.90	9.0	12	9	9	10	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	22	39.9	− 2.5	71	4	18	14	35	3.72	− 1.00	1.10	5.0	9	....	....	....	......	F. P. Robinson.
Trenton	Edgefield	620	20	46.3	+ 0.2	78	4	20	25†	37	3.06	− 2.48	1.00	7.7	10	12	9	7	s.	C. A. Long.
Winnsboro	Fairfield	545	24	......	......	......	......	......	......	....	......	....	......	....	....	....	....	....	......	J. W. Seigler.
Winthrop College ‡‡	York	690	13	40.8	− 2.1	68	4	19	13†	30	3.02	− 1.38	0.81	10.0	7	6	15	7	se.	W. P. Goodman.

Estimated and incomplete data are not considered in means. All other records are used in determining section or division means, but the mean departures from normal temperature and precipitation are based only on records from stations that have eight or more years of observation.

Reference figures, ^{1}, ^{2}, ^{3}, appearing in the table indicate number of days missing; for example, ^{2} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature readings are computed from observed readings of the dry bulb; means are computed from observed readings: ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

†††Normals determined from combined records of Ferguson and Trial. *Normals determined from combined records of Meriwether and Clark's Hill.

T. Precipitation is less than 0.01 inch rain or melted snow.

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Daily Precipitation for February, 1914.

Stations.		Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ‖	Savannah					.05	.09	.93				.05		.22	.15						.75	.09				.85			.70				3.88
Beaufort	Coast					.50	2.00	.41				T.		1.80							2.90						.50		1.38				9.49
Blackville ‖	Edisto						.30	.75				.22		.27	.20						.71	.17			.14		.70						3.46
Bowman	do						.85	.36			.22			.78						.85	.91			.10		.80	.08		.28				5.23
Charleston	Coast						.89	.71			.10		T.	1.34							2.24					.95	.04		.60				6.87
Cheraw ‖	Pedee	.03					.11	.63				.19		.44	.64						.88	.37			.12		1.54	T.	.01				4.96
Conway ‖	Waccamaw						.05	.90				.10		.71	.90						.50	1.30			.30	T.	.60	.45					5.81
Darlington ‖	Pedee						.10	.38				.12		.72	.16						.45	.15			.08	T.	1.17	T.					3.33
Dillon	Little Pedee					T.	.35	.12			.15	.02		1.02						.03	.85			.05			1.25		.19				4.03
Edisto ‖	Edisto						.20	.90				.20		.50	.18						.70	.40				T.	.90	.12	.08				4.18
Effingham ‖	Lynches						.10	.60				.08		.50	.50						.65	.58			.79		1.58	.10					5.48
Ferguson ‖	Santee							1.00				.10		.40	.61						.75	.60					1.25	.02	.05				4.78
Florence ‖	Pedee						.06	.42							.05						1.80	.20					1.00	.20					3.73
Georgetown	Coast				T.		.15	1.41				T.	T.	1.40	.25						1.85					1.40	.15		1.02				7.63
Kingstree ‖	Black							.84				.15		.78	.40						.72	.40			.08		.76						4.13
Pinopolis	Cooper						1.00				.10			1.12							1.28						.55	.10	.80				4.95
St. George ‖	Edisto																																
St. Matthews ‖	Santee						.20	.60						.57	.25						.37	.22					.58						2.79
Smiths Mills ‖	Pedee						.15	.80				.18		.30	1.00						.75	.50			.35	.05	.45	.45					4.98
Society Hill ‖	do					.40	.33						.28							.75	.75					1.08			.05				3.64
Summerville	Ashley					T.	.36	1.37			.05	T.		1.24							1.84				T.	.80	.53		.31				6.52
Walterboro	Ashepoo					T.	.51	1.27			.07		T.	1.01	.01					T.	1.26				T.	.72	.36		.42				5.63
Yemassee ‖	Combahee						.12	1.96			T.			.25	.06						1.12	.12					.40						4.57
Western Portion.																																	
Aiken	Edisto						1.17				.15	.15			.42						1.00			.05			.50		.25				3.69
Anderson	Savannah						1.07	.38			.22	.02		.78	.04					.24	.33			.15		.30	.56		.25				4.34
Batesburg ‖	Edisto					.21	.21	.93				.21		.34	.59						1.03	.07		.16		T.	.71						4.46
Blairs ‖	Broad						.32	.60				.25		.30	.40						.90				.40		.90						4.07
Calhoun Falls ‖	Savannah						.53	.81			.46	.48		.03	.33					.16	.09	.41			.41		.50		.34				4.55
Camden ‖	Wateree						.55	.65				.08		.12	.30						.52	.45	.60	.04	1.20	.05							3.61
Catawba ‖	Catawba					.05	.12	.90				.25		.05	.10						.65	.25			.15	.01	1.00						3.53
Chappells ‖	Saluda						1.26	.58			.03	.09		.24	.05						.10	.04			.25		2.65						5.29
Clemson College	Savannah						.16				.01			1.40							.60			.20		.40			.30				3.07
Columbia	Congaree					T.	.71	.02			.08		T.	.84						.09	.71			.59	T.	.81	.15		.45				4.45
Edgefield ‖	Savannah						.20	.85				.15		.35	.21						.80						.43						2.99
Gaston Shoals ‖	Broad						.38	.76				.23		.39	.59					T.	.66				.14		.21						3.36
Greenville ‖	Saluda						.73	.99			.02	.09		.61	.47					.15	.57	T.			.17		.31						4.11
Greenwood ‖	do						.44	.48				.19			.49						.51	.06			.52		.40						3.09
Heath Springs	Wateree																																
Liberty	Savannah					.02	1.00	.80			.20			1.20										.25		.20	.40		.25				4.42
Little Mountain	Saluda						1.00	.08			.15			.54						.15	.70			.05	.27		1.40		.14				4.48
Meriwether	Savannah					.06	.90				.17			.68						.14	.56			T.			.56		.22				3.29
Monetta	Edisto						.99	.16			.09	.01		.54	.09					.08	.63	T.		.02	.02		.99		.16				3.78
Newberry	Saluda					.03	.69	.20			.18	.02		.66	.02					.28	.62			.12	.25	.75			.25				4.07
Pelzer ‖	do						.30	1.30			.02	.15		.50	.50					.10	.54	.10			.10	.04	.50						3.91
Saluda	do						1.21	.10			.16			.73			.02			.18	.97			.10	.21	.41	.36	.17					4.62
Santuck	Broad					T.	.90	.22			.16			.60	.02					.13	.86			.14	.02	.06	.24		.10				3.45
Spartanburg ‖	do					T.	.42	.75				.21		*	1.10					.04	.70	.02			.15		.33						3.72
Trenton	Edisto					.05	.95				.09			.58						.80	.07			T.	.12	.08	.11		.21				3.06
Winnsboro	Broad																																
Winthrop College	Catawba						.81	.01			.19			.20							.79			.15		*	.80		.21				3.02

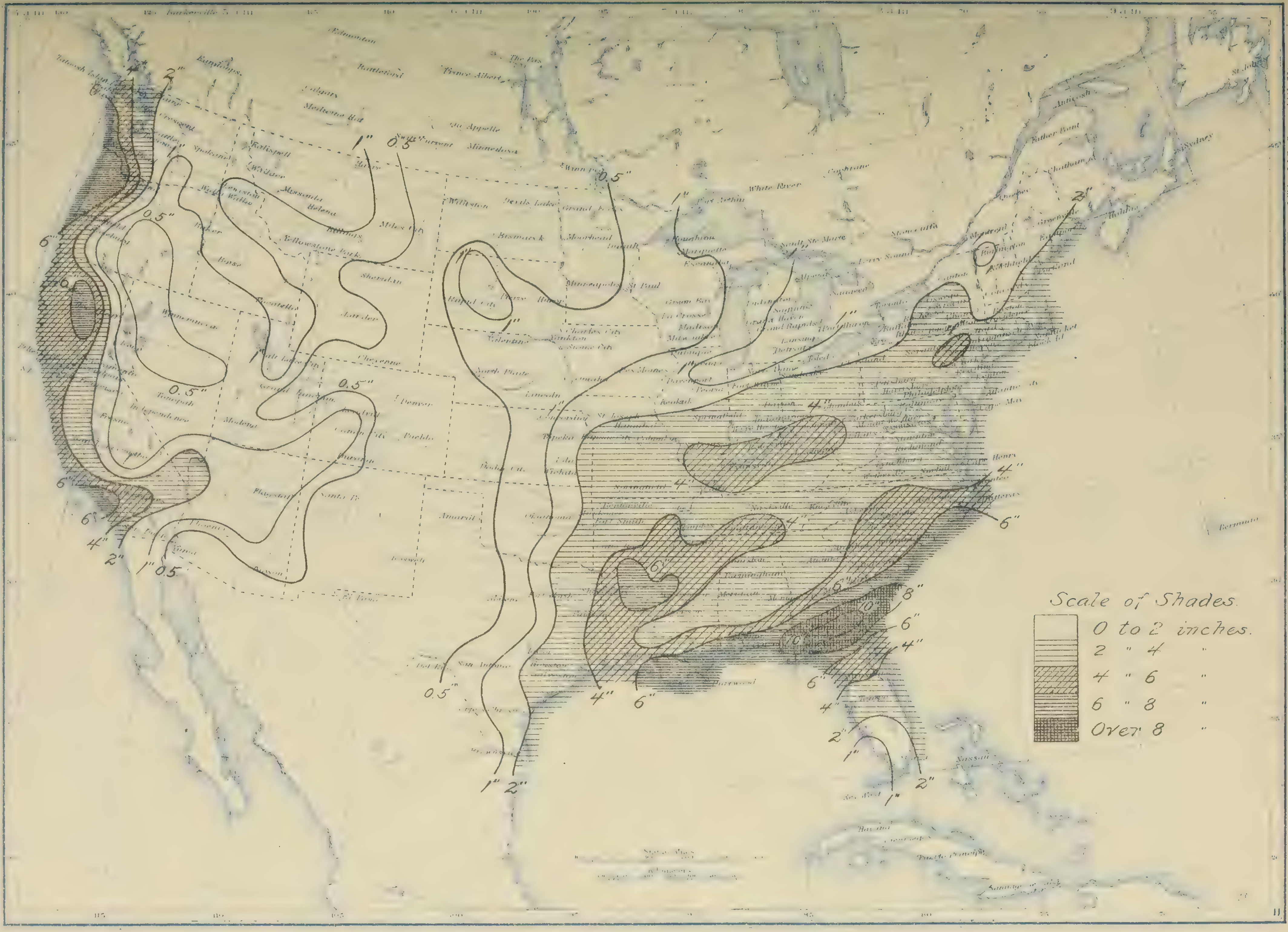
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.
‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

Daily Temperatures for February, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	62	66	73	73	70	70	65	46	52	53	59	62	38	51	52	56	59	70	69	70	53	62	45	33	43	50	45	54	....	....	....	57.2
	Minimum	42	36	42	55	53	56	56	30	32	39	38	33	34	30	30	37	28	33	36	57	20	30	37	25	22	26	35	36	....	....	....	38.0
Beaufort	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Blackville §§	Maximum	67	64	76	69	75	64	54	60	61	56	61	61	32	54	52	57	68	71	68	60	63	67	70	43	34	45	53	53	....	....	....	59.2
	Minimum	33	34	48	49	53	55	49	29	29	39	36	32	31	27	27	34	21	36	50	56	31	27	37	38	23	19	23	35	....	....	....	35.8
Bowman	Maximum	61	65	72	72	73	70	56	45	52	53	58	60	38	50	51	54	63	70	71	60	52	60	65	55	29	40	38	50	....	....	....	56.5
	Minimum	32	31	40	45	37	55	45	32	28	37	35	31	32	28	26	35	22	32	49	45	32	25	45	29	26	20	30	36	....	....	....	34.3
Charleston	Maximum	59	60	67	67	66	66	69	47	52	56	55	55	48	50	48	55	52	66	69	61	49	52	60	60	33	45	52	55	....	....	....	56.2
	Minimum	40	44	52	54	55	57	44	37	37	49	44	44	37	35	33	38	32	41	56	40	35	36	46	31	26	28	34	43	....	....	....	41.0
Cheraw §§	Maximum	68	63	69	72	62	62	55	47	51	52	56	50	32	49	42	48	52	68	66	40	47	60	51	34	27	46	51	54	....	....	....	52.6
	Minimum	32	29	42	42	44	46	47	27	27	33	34	30	23	22	25	29	20	33	47	40	31	25	37	24	20	21	25	30	....	....	....	31.6
Conway §§	Maximum	65	66	71	72	70	65	67	65	41	52	57	56	40	48	45	53	52	69	75	46	44	58	64	34	29	46	50	50	....	....	....	55.4
	Minimum	50	37	44	47	48	53	35	31	29	41	37	34	30	31	28	32	23	25	40	46	32	32	36	29	23	23	24	33	....	....	....	34.8
Darlington §§	Maximum	64	65	71	74	70	64	64	48	52	50	60	54	31	40	45	50	55	68	69	44	48	59	55	34	25	45	50	54	....	....	....	53.9
	Minimum	34	30	37	43	43	47	48	30	28	32	34	31	25	24	25	29	18	30	42	42	29	24	37	24	20	20	14	30	....	....	....	31.1
Dillon	Maximum	62	65	78	72	65	59	66	48	57	52	58	54	45	47	44	50	55	68	73	67	48	59	55	52	29	44	49	49	....	....	....	56.1
	Minimum	34	37	43	45	44	49	46	29	29	34	35	32	25	27	27	34	20	37	47	33	30	26	37	22	21	30	22	32	....	....	....	32.7
Ferguson §§	Maximum	69	66	74	75	72	65	68	46	52	52	58	60	41	53	49	55	59	70	73	72	63	63	67	54	32	54	50	50	....	....	....	59.4
	Minimum	....	39	40	50	51	53	57	40	29	31	40	34	32	32	34	36	23	25	37	58	34	36	39	40	28	27	25	27	....	....	....	36.7[1]
Florence §§	Maximum	62	63	72	69	62	58	56	47	50	50	58	54	46	47	45	54	50	65	70	52	55	61	68	45	43	45	50	52	....	....	....	55.3
	Minimum	37	35	43	44	46	48	50	32	30	32	36	34	26	27	30	33	22	33	45	41	30	29	37	26	23	22	20	35	....	....	....	33.8
Georgetown	Maximum	66	62	71	70	68	60	64	55	57	54	56	48	48	48	45	50	48	52	68	61	50	48	54	39	35	40	45	54	....	....	....	54.1
	Minimum	38	38	38	51	51	54	45	34	32	40	41	34	32	32	29	37	34	38	45	42	33	28	38	30	22	22	28	36	....	....	....	36.5
Kingstree §§	Maximum	63	67	73	72	72	64	66	46	53	53	57	59	39	50	52	53	49	70	74	59	50	62	65	45	30	50	53	50	....	....	....	57.4
	Minimum	37	36	39	47	48	51	44	33	28	33	39	34	31	30	30	34	23	31	40	55	33	27	42	31	25	20	23	33	....	....	....	34.9
St. George	Maximum	....	....	....	....	....	....	....	....	....	....	....	62	37	52	51	55	59	71	73	60	51	62	69	46	30	47	54	46	....	....	....	54.4[11]
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	33	31	27	34	23	29	34	53	33	27	32	41	26	22	23	36	....	....	....	31.5[12]
St. Matthews §§	Maximum	63	63	70	74	75	68	59	50	54	49	58	56	39	54	50	54	57	69	67	57	49	60	64	43	30	47	53	48	....	....	....	56.4
	Minimum	33	33	38	46	49	49	58	30	29	31	36	31	30	26	26	34	23	31	39	53	31	27	38	35	25	19	22	28	....	....	....	33.9
Society Hill §§	Maximum	63	69	72	64	63	62	51	53	56	59	58	57	50	44	50	54	70	66	51	48	60	54	53	33	45	50	50	50	....	....	....	55.5
	Minimum	33	41	43	42	47	48	27	28	32	34	35	24	24	25	28	22	33	41	38	30	23	37	24	20	20	24	29	32	....	....	....	31.6
Summerville	Maximum	62	67	73	73	67	64	65	51	53	54	59	61	50	51	50	57	58	70	74	67	51	61	66	61	36	35	51	48	....	....	....	58.8
	Minimum	35	36	47	48	56	55	50	33	30	39	39	34	33	32	27	34	25	33	45	42	34	28	37	34	23	26	27	37	....	....	....	37.1
Walterboro	Maximum	67	69	78	76	69	66	66	53	54	54	62	64	55	52	54	58	62	73	75	68	55	59	72	62	36	47	51	48	....	....	....	60.9
	Minimum	36	33	43	49	52	56	53	32	29	40	39	32	34	33	28	37	34	31	49	48	35	27	38	35	27	26	27	45	....	....	....	37.0
Yamassee §§	Maximum	64	69	75	70	70	66	64	46	53	55	60	65	45	40	47	47	52	71	76	63	53	61	70	49	39	44	52	49	....	....	....	57.7
	Minimum	34	32	33	48	49	55	55	30	26	28	38	32	32	32	26	32	33	33	46	57	34	25	36	45	24	23	26	37	....	....	....	35.8
Western Portion.																																	
Aiken	Maximum	64	66	70	71	72	62	62	47	54	45	58	59	54	44	51	53	57	68	63	62	51	62	55	67	36	45	50	46	....	....	....	56.9
	Minimum	32	35	48	45	52	50	44	26	27	39	34	36	28	24	26	32	24	39	38	39	32	33	32	30	20	20	29	36	....	....	....	33.9
Anderson	Maximum	61	58	67	71	67	54	52	45	54	44	54	53	52	51	49	50	54	67	67	60	53	59	62	54	38	48	48	46	....	....	....	54.9
	Minimum	....	....	....	....	....	....	....	....	....	....	....	33	21	24	26	30	23	38	38	39	31	32	40	31	21	19	30	37	....	....	....	42.6[11]
Batesburg §§	Maximum	59	64	73	71	70	65	59	45	50	50	56	55	41	40	73	54	56	65	60	55	59	60	65	54	44	45	50	47	....	....	....	56.6
	Minimum	35	37	44	45	43	45	49	27	30	36	33	35	28	23	25	42	24	28	42	51	31	23	36	32	24	20	25	26	....	....	....	34.0
Camden §§	Maximum	57	62	70	73	71	66	61	49	54	50	51	49	49	52	47	53	57	70	65	57	57	61	59	36	34	47	53	50	....	....	....	55.6
	Minimum	53	40	53	50	50	41	48	37	32	41	36	30	31	35	31	37	25	34	58	52	30	30	37	30	24	27	29	40	....	....	....	37.9
Clemson College	Maximum	58	62	61	67	66	58	56	48	49	48	52	52	50	47	47	44	56	63	63	58	51	56	56	55	39	46	50	48	....	....	....	53.8
	Minimum	32	28	39	40	52	44	44	24	24	31	29	39	26	28	29	32	23	37	44	44	39	29	39	35	26	18	29	35	....	....	....	33.2
Columbia	Maximum	59	61	68	72	72	63	63	46	51	45	57	55	42	51	49	49	57	68	62	60	49	60	63	48	29	44	48	47	....	....	....	54.9
	Minimum	35	38	49	50	52	47	38	30	32	39	36	36	24	24	28	32	25	41	53	35	33	31	41	28	21	22	25	35	....	....	....	35.0
Greenville §§	Maximum	63	61	66	71	64	47	51	45	52	41	58	54	30	51	49	48	58	65	58	47	48	58	50	38	28	52	48	45	....	....	....	51.6
	Minimum	27	28	34	40	40	41	40	20	21	23	30	32	25	22	22	23	20	21	36	46	29	28	35	30	26	22	27	28	....	....	....	29.1
Greenwood §§	Maximum	61	61	67	71	68	56	49	44	54	42	48	56	34	49	50	49	59	67	60	58	55	60	64	38	30	48	47	47	....	....	....	53.6
	Minimum	32	32	33	43	45	45	42	22	23	28	32	30	30	22	27	28	31	25	38	52	30	31	33	34	26	20	25	28	....	....	....	31.8
Heath Springs	Maximum	59	57	61	67	62	58	51	47	47	44	55	54	42	48	38	43	50	63	59	55	43	42	48	37	27	45	49	47	....	....	....	49.9
	Minimum	31	33	44	47	48	43	32	31	25	28	31	30	21	20	20	29	21	36	50	34	28	26	26	22	19	18	25	31	....	....	....	30.3
Liberty	Maximum	59	57	69	62	64	55	49	45	51	42	55	57	45	46	48	42	57	64	58	57	51	57	55	48	33	50	47	46	....	....	....	52.5
	Minimum	28	34	41	38	51	42	36	20	24	32	30	30	24	28	24	31	20	34	42	40	31	29	42	32	23	16	28	34	....	....	....	31.6
Little Mountain	Maximum	61	61	67	71	70	61	61	48	52	46	56	56	54	51	50	49	57	67	59	59	50	59	61	58	47	45	49	46	....	....	....	56.1
	Minimum	34	34	45	48	48	45	43	26	29	35	34	35	25	22	26	33	25	39	52	36	33	33	41	27	20	20	27	36	....	....	....	34.0
Meriwether	Maximum	63	62	70	72	70	60	62	48	53	47	60	59	55	55	51	51	61	69	68	60	54	64	69	62	35	48	50	48	....	....	....	58.1
	Minimum	33	28	44	43	50	51	46	26	25	35	32	30	28	24	25	30	22	35	51	50	30	28	38	32	21	20	22	33	....	....	....	33.3
Monetta	Maximum	60	61	68	73	70	62	61	46	52	49	59	55	52	51	50	50	57	67	62	59	50	60	66	63	35	44	51	47	....	....	....	56.4
	Minimum	34	37	46	45	52	48	46	27	29	38	36	33	29	24	27	34	24	34	51	39	32	30	40	29	20	20	24	35	....	....	....	34.4
Newberry	Maximum	59	59	66	70	70	60	52	44	52	45	56	55	50	49	49	49	59	67	60	60	50	60	63	60	32	47	50	46	....	....	....	54.2
	Minimum	30	32	42	40	56	44	42	25	25	34	32	31	22	22	24	31	22	32	48	37	32	27	39	28	21	21	22	24	....	....	....	31.6
Saluda	Maximum	49	61	69	72	71	62	62	49	53	53	59	56	51	52	51	51	59	68	60	60	52	61	65	62	45	47	52	46	....	....	....	57.5
	Minimum	62	26	42	40	45	46	44	26	25	33	30	29	25	24	25	34	21	35	48	40	31	26	40	29	20	20	20	32	....	....	....	32.8
Santuck	Maximum	58	55	66	68	66	57	52	45	51	43	55	52	46	48	46	47	55	65	60	60	52	58	57	52	32	53	50	46	....	....	....	53.4
	Minimum	31	31	40	42	48	40	39	24	26	32	33	31	21	21	24	29	21	38	51	36	30	28	41	26	21	20	21	34	....	....	....	31.4
Spartanburg	Maximum	58	61	66	71	60	47	54	44	51	41	55	51	32	44	46	41	55	65	58	42	61	58	49	36	27	49	48	45	....	....	....	50.5
	Minimum	34	31	31	40	42	40	38	22	23	24	34	30	24	18	24	27	21	23	38	41	32	28	29	26	24	22	26	29	....	....	....	29.3
Trenton	Maximum	59	64	70	78	69	60	61	58	60	55	61	55	36	49	53	54	58	67	60	58	60	60	60	55	50	45	51	48	....	....	....	57.6
	Minimum	34	35	46	48	54	50	48	26	30	34	36	34	25	24	29	33	26	40	38	40	32	35	41	36	20	20	30	36	....	....	....	35.0
Winnsboro	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Winthrop College	Maximum	47	59	64	68	61	56	53	47	48	44	55	49	44	49	42	42	53	63	59	58	47	58	52	48	32	44	48	44	....	....	....	51.2
	Minimum	27	31	41	44	50	37	37	23	25	24	28	32	19	19	24	32	22	37	49	33	29	28	41	22	20	19	24	35	....	....	....	30.5

[1], [2], [3], etc., indicate respectively 1, 2, 3, etc., days missing from record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, February, 1914.



Continued from page 11.

MISCELLANEOUS PHENOMENA.

Fog, dense (dates).—Charleston, 4th; Darlington, 5th, 6th; Georgetown, 4th, 5th; Monetta, 10th; Walterboro, 4th.

Hail (Dates).—Clemson College, 13th; Liberty, 13th.

Halos (dates).—Lunar: Bowman, 8th; Charleston, 1st, 2d; Greenville, 8th, 9th, 11th; Liberty, 8th; Santuck, 8th; Columbia, 2d, 3d, 7th, 9th, 11th. Lunar corona: Columbia, 8th. Solar: Charleston, 1st, 3d, 9th, 27th; Columbia, 3d, 9th, 22d, 27th.

Sleet (Dates).—Reported as follows: 12th, 1 station; 13th, 18 stations; 24th, 1 station; 25th, 10 stations; 26th, 3 stations.

Thunderstorms (Dates.)—Batesburg, 24th; Bowman, 6th; Camden, 6th; Charleston, 20th; Cheraw, 6th, 23d; Columbia, 6th, 23d; Darlington, 24th; Greenville, 5th; Liberty, 6th; Little Mountain, 6th; Monetta, 23d; Newberry, 6th, 24th; Santuck, 6th; Society Hill, 4th; Summerville, 20th; Yemassee, 6th, 20th.

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature.			Precipitation.		Average number of days -			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Pt. Cldy.	Cloudy.	
1887	52.6	80	24	3.41	12	....	....	....	....
1888	49.9	76	15	4.83	10	....	....	....	ne.
1889	41.9	75	10	5.60	8	....	....	....	w. *
1890	56.1	83	21	2.38	....	....	....	....	sw.
1891	54.7	83	13	4.23	....	....	....	....	sw.
1892	49.2	73	18	3.64	....	....	....	....	sw. *
1893	51.0	82	25	5.05	12	....	....	....	....
1894	48.9	76	16	4.35	10	8	9	11	sw.
1895	37.4	78	−6	3.07	7	13	6	9	nw.
1896	48.2	81	5	6.13	8	13	8	8	sw.
1897	50.0	83	15	7.80	11	10	7	11	sw.
1898	44.5	78	10	0.86	3	15	6	7	w.
1899	43.0	80	−11	6.98	12	9	7	12	w.
1900	44.0	78	1	5.77	10	9	7	12	w.
1901	43.2	78	7	3.08	6	14	7	7	nw.
1902	40.6	77	11	5.89	8	12	6	10	nw.
1903	49.0	81	11	7.03	10	10	7	11	sw.
1904	45.2	86	15	3.59	9	12	6	11	ne.
1905	38.9	72	0	5.21	9	10	4	14	ne.
1906	46.0	76	12	2.58	6	16	5	7	ne.
1907	45.1	84	16	3.63	8	10	8	10	ne.
1908	43.6	81	12	5.28	10	14	6	9	w.
1909	52.2	84	12	4.49	8	15	7	6	sw.
1910	44.7	79	15	4.71	9	12	6	10	w.
1911	52.1	85	20	1.60	5	13	8	7	sw.
1912	42.3	80	8	5.99	8	15	5	9	w.
1913	48.9	80	22	4.50	8	12.	4	12	w.
1914	44.6	78	14	4.41	9	12	6	10	n.
Averages	46.7	86†	−11†	4.50	9	12	6	10	sw.

† Extremes. * Also nw.

MISCELLANEOUS DATA FOR FEBRUARY, 1914.

Stations.	Barometer—sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Sunshine—total hours.	Relative humidity—per cent.	Wind.	
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.			Average hourly velocity—miles.	Prevailing direction.
Asheville, N. C.	30.17	36.9	63	15	2.24	0.98	165.2	74	10.1	nw.
Augusta, Ga.	30.16	46.6	71	21	4.50	1.13	153.0	74	6.7	nw.
Charleston, S. C.	30.14	48.6	69	26	6.87	2.24	174.0	78	11.5	n.
Charlotte, N. C.	30.16	39.6	67	17	4.03	0.95	174.9	70	8.1	ne.
Columbia, S. C.	30.16	45.0	72	21	4.45	0.96	170.8	69	7.6	ne.
Savannah, Ga.	30.14	50.3	76	26	8.32	2.30	126.4	78	12.0	nw.
Wilmington, N. C.	30.15	44.8	74	19	6.04	1.92	166.5	73	8.8	n.
Averages	30.15	44.5	76†	15†	5.21	2.30‡	161.5	74	9.3	nw.

† Extremes. ‡ Greatest.

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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

SOUTH CAROLINA SECTION

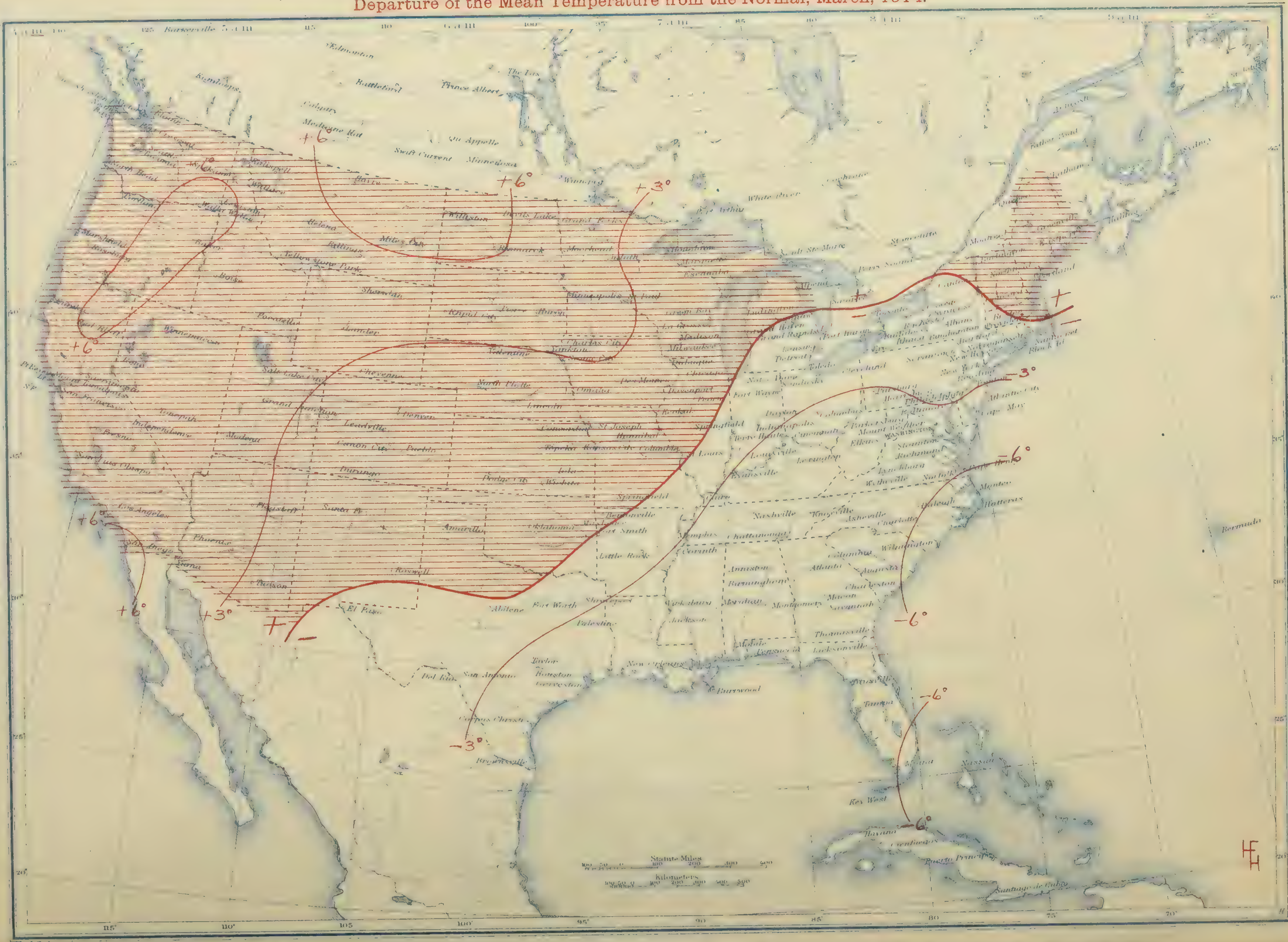
MARCH, 1914

BY

RICHARD H. SULLIVAN
SECTION DIRECTOR

RALEIGH, N. C.
WEATHER BUREAU OFFICE
May 18, 1914

Departure of the Mean Temperature from the Normal, March, 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

Vol. XVII. Columbia, S. C., March, 1914. No. 3

GENERAL SUMMARY.

The month, with one exception, was the coldest since the organization of the South Carolina climatological service in 1887. Wintry, generally disagreeable weather prevailed until the last week, followed by a pronounced warm period at the close of the month. Precipitation was considerably below the normal, but was well distributed over the Section.

A storm that originated over the east Gulf about the close of February and disappeared over the north Atlantic Ocean by March 3d was followed by extremely low temperatures for the season throughout the Section on the 2d, minimum records being broken at a number of points in the southern coast districts. A series of alternating areas of high and low pressure over the eastern and southern states, accompanied by frequent cold rains and sleet or snow, tended to check the seasonal thermal advance up to the closing week, which was marked by late spring and early summer temperatures of 80 degrees or more, resulting in a general quickening of vegetation. The last general freezing temperatures of the month occurred on the 23d, and in the more elevated districts freezes were recorded as late as the 24th and 25th.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.12 inches. Highest pressure in the district covered, 30.49 inches at Wilmington, N. C., on the 25th; lowest, 29.49 inches on the 1st at the same station, on which date lowest pressures were recorded at all stations. Strong reaction to high pressure also occurred over the district on the 21st.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 38 stations, was 50.2 degrees, or 4.7 degrees below the established normal. The daily means ranged below normal until the 25th, except during short periods about the 11th and between the 15th and 17th. Highest temperature, 91 degrees at Blackville, Barnwell Co., on the 30th. The warmest period of the month occurred from the 28th to the 31st. Lowest temperature, 12 degrees at Spartanburg, Spartanburg Co., on the 2d. Low temperature records for March were broken at a number of stations in the coast districts during this period of cold.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was 69 per cent. Highest percentage, 73 at Charleston; lowest, 63 at Columbia.

PRECIPITATION.

Average for the Section, 50 stations reporting, 2.59 inches, or 1.37 inches below the established normal. Precipitation occurred generally throughout the Section during five periods, namely: On the 1st, 5th to 7th, 11th and 12th, 20th to 22d and during the last few days of the month. The greatest amounts, ranging from 3 to over 4 inches, occurred on the coastal plain and in a few of the northern counties, while the least amounts were recorded in the upper Savannah Watershed and in the north-central border counties, where the measurements ranged below 2 inches. Greatest local monthly amount, 4.05 inches at Summerville, Dorchester Co; least, 0.80 inch at Calhoun Falls, Abbeville Co. Greatest twenty-four hour amount at any single station, 1.35 inches at Conway, Horry Co., on the 21st-22d.

Snowfall, ranging from one-half to 4 inches, occurred generally in the more elevated counties on the 7th, 8th, 21st and 22d, and sleet was recorded in many parts of the State on the latter two dates.

WIND.

The prevailing winds were from the west. Average hourly velocity determined from records of 7 stations having anemometers, 9.9 miles per hour. Highest average velocity in the district covered by reports, 14.4 miles per hour at Savannah, Ga; lowest, 8.4 miles per hour at Charlotte, N. C., and Columbia. The highest velocity for a 5 minute period was 62 miles per hour from the northwest at Savannah, Ga., on the 1st; lowest maximum velocity, 39 miles per hour from the west at Augusta, Ga., on the 1st and at Charlotte, N. C., on the 7th.

SUNSHINE AND CLOUDINESS.

The total hours of sunshine, determined from 7 automatic records, averaged 263.2, or about 66 per cent of the possible amount. Average number of clear days, 14; partly cloudy, 9; cloudy, 8, as against the normal of 13, 8 and 10 days, respectively.

RIVER CONDITIONS.

The month opened with moderate floods in the Santee, Pee Dee and Waccamaw rivers. At Rimini the flood continued to the 9th, with a maximum stage of 13.4 feet on the 4th and 5th, or 1.4 feet above flood; at Ferguson the Santee River was above flood until the 19th, the maximum stage being 13.4 feet on the 5th, or 1.4 feet above flood. The Waccamaw River at Conway was above flood between the 2d and 18th, with a maximum stage of 7.9 feet on the 9th, 10th and 11th, or 0.9 foot above flood. The Pee Dee River at Smiths Mills was above flood from the 1st to the 9th, with a maximum stage of 14.7 feet on the 1st, 2d and 3d, or 0.7 foot above flood. Late reports of the freshet in the Pee Dee at Cheraw on February 21st-22d indicate a loss of about $8,000, due to suspension of business. The remaining rivers of the Section were relatively low during the month.

(*Continued on page 24.*)

Climatological Data for March, 1914.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. on (0.01 in. or more)	Clear.	Part cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	25	52.7	– 5.2	89	30	22	1	41	2.23	– 1.63	1.05	0	6	...	...	...	...	S. B. Rouse.
Beaufort	Beaufort	21	27	...	...	75	28	24	2	...	2.40	– 1.08	1.20	0	5	...	...	...	se.	Miss Lillian H. Rice.
Blackville	Barnwell	296	25	53.8	4.5	91	30	19	2	45	2.69	– 0.98	0.90	T.	8	...	...	...	...	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	11	50.7	8.1	88	30	19	2	43	3.52	– 0.73	1.12	T.	8	17	10	4	w.	B. O. Evans.
Charleston	Charleston	48	43	51.2	– 6.0	76	29	24	2	27	2.34	– 1.38	0.63	0	8	18	7	6	w.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	24	48.1	– 6.0	83	30	20	2	41	2.60	– 1.16	0.65	T.	12	...	...	...	...	J. H. Powe.
Conway	Horry	25	28	...	...	...	...	...	...	...	3.53	– 0.17	1.35		6	...	...	...	...	Paul Quattlebaum.
Darlington	Darlington	175	18	48.7	– 9.7	84	30	19	2	42	1.66	– 1.59	0.42	T.	9	20	2	9	...	D. C. McCall.
Dillon	Dillon	100	10	49.6^{c}	– 6.4	83	30	20	1[1]	43	3.55	– 0.13	0.72	0	10	...	...	...	...	A. E. Rowell.
Edisto ‡‡	Bamberg	143	26	...	...	...	...	...	...	...	2.85	– 1.29	0.92	0	6	...	...	...	...	Nathan Jenkins.
Effingham	Florence	106	21	...	...	...	...	...	...	...	2.16	– 0.95	0.88	0	9	...	...	...	...	H. B. McCall.
Ferguson	Berkeley	63	28	51.0	– 5.5	86	30	23	2	47	3.02	– 0.44	0.80	0	8	...	...	...	...	Joseph P. Simons.
Florence	Florence	136	25	49.4	7.0	84	30	20	2	39	1.93	– 1.18	0.46	0	10	...	...	...	...	H. K. Gilbert.
Georgetown	Georgetown	12	19	49.4	8.9	80	29	16	2	40	1.77	– 1.80	0.75	0	5	16	12	3	n.	A. P. Hazard.
Kingstree	Williamsburg	54	25	51.0	– 6.7	82	30	24	2[1]	40	4.03	– 0.39	0.90	0	9	...	...	...	...	A. O. Matthews.
Pinopolis **	Berkeley	54	20	50.9	6.3	76	28[1]	24	2	...	3.46	0.16	1.00	0	5	13	13	5	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	4	...	...	...	...	...	...	...	3.25	...	0.80	0	9	...	...	...	...	William B. Wolfe.
St. George	Dorchester	109	25	51.2	– 7.1	87	30	21	2	43	3.18	0.28	1.00	0	9	...	...	...	...	Geo. N. Snelling, M. D.
St. Matthews	Calhoun	269	25	50.1	– 6.3	87	30	18	2	42	2.88	– 0.67	1.08	0	7	...	...	...	...	J. S. Wannamaker.
Smiths Mills	Georgetown	62	18	...	...	...	...	...	...	...	3.27	– 0.58	1.30	0	9	...	...	...	...	W. G. Walker.
Society Hill	Darlington	192	22	49.4	– 6.1	85	29	19	1	44	3.18	– 0.16	0.90	T.	8	9	16	6	w.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	16	51.8	7.4	85	30	22	2	41	4.05	– 0.66	1.05	T.	8	10	17	4	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	11	53.4	– 7.8	88	30	22	2	43	3.47	– 0.47	1.15	0	7	19	5	7	w.	J. A. Westerberg.
Yamassee	Hampton	24	18	50.3	– 8.3	87	30	21	2	45	3.18	0.41	0.95	0	5	...	...	...	...	J. G. Hutson.
Western Portion.																				
Aiken	Aiken	527	19	52.6	– 3.8	87	30	18	2	35	1.22	– 2.87	0.60	T	4	...	...	...	w.	W. M. Brown.
Anderson	Anderson	764	12	51.0	– 2.3	83	17	18	2	40	2.56	– 2.66	0.73	0.5	11	15	0	16	w.	H. H. Russell.
Batesburg	Lexington	656	25	50.1	– 5.3	83	29[1]	17	2	37	1.61	3.10	0.48	T.	6	...	...	...	...	E. J. Hite.
Blairs	Fairfield	293	8	...	...	...	...	...	...	...	2.94	...	0.88	2.0	9	...	...	...	...	J. N. Owens.
Calhoun Falls	Abbeville	508	21	...	...	...	...	...	...	...	0.80	– 3.87	0.39	2.0	6	...	...	...	...	L. M. Parker.
Camden	Kershaw	222	47	50.3	– 8.0	85	30	25	13[1]	45	2.81	0.90	0.90	0	11	13	12	6	...	W. C. Brown.
Catawba	York	562	8	...	...	...	...	...	...	...	2.42	...	0.90	1.0	11	...	...	...	...	James C. Faris.
Chappells	Newberry	402	9	...	...	...	...	...	...	...	2.57	...	0.80	1.0	9	...	...	...	...	J. J. Murran.
Clemson College	Oconee	850	22	49.4	– 3.7	77	28	20	3	40	1.46	– 3.53	0.73	1.0	5	15	8	8	w.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	27	51.2	2.8	84	30	21	2	34	2.08	– 1.62	0.99	0	13	12	12	7	w.	U. S. Weather Bureau.
Edgefield	Edgefield	...	...	...	...	...	...	...	...	...	...	...	0.74	0	...	...	...	...	...	T. L. Timmerman.
Gaston Shoals ‡‡	Cherokee	680	1	...	...	...	...	...	...	...	1.99	...	0.71	T.	14	...	...	...	...	Harry A. Parshall.
Greenville	Greenville	989	21	46.6	3.4	80	28	16	2	48	2.41	3.21	1.02	1.7[1]	11	14	3	14	nw.	Spartan Goodlette.
Greenwood	Greenwood	671	25	49.1	– 4.5	84	30	18	2	45	2.21	– 1.95	0.58	2.0[1]	6	...	...	...	...	M. M. Calhoun.
Heath Springs	Lancaster	568	12	45.8	– 8.6	78	30	17	2	38	2.97	– 0.76	0.70	1.5	10	16	5	10	w.	J. Marvin Bowers.
Liberty	Pickens	900	19	49.0	4.0	81	28	17	2	45	3.09	– 2.13	0.69	1.5	14	12	9	10	sw.	John T. Boggs.
Little Mountain	Newberry	711	20	51.8	4.6	85	29	19	2	34	3.03	0.88	0.70	T.	8	23	0	8	sw.	J. M. Sease, M. D.
Meriwether	Edgefield	...	10	51.7	– 5.6	86^{d}	29[1]	19^{c}	2	41	1.82	– 2.91	0.75	0	6	11	2	18	...	William S. Middleton.
Monetta	Saluda	400	7	51.8	...	85	30	19	2	37	2.75	...	0.98	T	9	15	8	8	w.	Joseph M. Johnson.
Newberry	Newberry	502	26	50.6	4.2	84	29^{c}	20	2	40	3.38	1.21	0.95	3.0	8	10	11	10	w.	Warren G. Petterson.
Pelzer	Anderson	850	10	...	...	...	...	...	...	...	2.44	– 2.62	0.80	0.5	10	...	...	...	...	Joshua Y. Jones.
Saluda	Saluda	536	11	50.8	– 7.1	85	30	20	2	41	2.73	– 1.62	0.69	0.5	8	20	4	7	w.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	19	49.6	– 4.2	84	28	18	2	43	2.25	– 2.42	0.80	2.7	9	9	16	6	se.	E. W. Jeter.
Spartanburg	Spartanburg	875	22	46.4	– 5.5	80	29	12	2	43	1.52	– 3.42	0.75	T.	8	...	...	...	...	F. P. Robinson.
Trenton	Edgefield	620	20	51.8	– 7.0	86	30	19	2	37	2.33	– 2.21	0.93	0	6	16	11	4	w.	C. A. Long.
Winnsboro	Fairfield	545	24	48.3	– 5.6	80	29[1]	17	2	42	1.55	– 2.47	0.50	T.	4	19	8	4	w.	J. W. Seigler.
Winthrop College ‡‡	York	690	13	47.7	– 6.7	75	28[1]	18	2	38	1.77	2.33	0.60	4.0	6	9	18	4	sw.	W. P. Goodman.
State means and extremes				50.2	4.7	91	30	12	2	48	2.59	– 1.37	1.35	0.5	8	14	9	8	w.	

The departures from the normal temperature and precipitation are computed for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.

[1] Also on other dates. †† Received too late to be included in means and summaries. ** Temperature readings are computed from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch rain or melted snow

Daily Precipitation for March, 1914.

Stations.		Day of month. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ‖	Savannah				.15	.44							1.05								.06	.07	.46										2.23
Beaufort	Coast					.60	.09					.30									.21	1.20											2.40
Blackville ‖	Edisto	.30				.20	.37		.03				.90								.22		.62							.05			2.69
Bowman	do					.78	.05	.03					1.12								.28	.76	.35							.15			3.52
Charleston ***	Coast	.38					.09	T					.50								.02	.45	.19							.18	T.	T.	2.34
Cheraw ‖	Pedee	.42				.01	.37	.04	T.			T.	.65	T.							.16	.12	.50	T.					.04	.12	.14	.03	2.60
Conway ‖	Waccamaw	.85	T.				.45	T.	T.	T.			.68	T.							.06	T.	1.35									.14	3.53
Darlington ‖	Pedee	.30					.20	.05				T.	.45	T.								.12	.08							.10	.30	.06	1.66
Dillon	Little Pedee	.71				.53	.03	.02					.72								.47	.14	.59						.10	.24			3.55
Edisto ‖	Edisto	.69					.51						.92								.10	.14	.49										2.85
Effingham ‖	Lynches	.08					.65	.03					.52								.62	.53	.35							.03		.35	3.16
Ferguson ‖	Santee	.60					.30		.05				.80								.12	.22	.78							.15			3.02
Florence ‖	Pedee						.25						.46	.09							.04	.24	.16						.06	.32	.19	.12	1.93
Georgetown	Coast	.07				.55							.75									.15	.25										1.77
Kingstree ‖	Black	.67					.42	.10					.90								.07	.17	.84							.50			4.03
Pinopolis	Cooper					.80							1.00								.16	1.00								.50			3.46
Rimini	Santee	.57					.44	.03					.80								.20	.13	.58	.14						.36			3.25
St. George ‖	Edisto	.80					.30	.04					1.00								.05	.13	.74	.02						.10			3.18
St. Matthews ‖	Santee					.62	.46						.80								.15		.50							.32		.03	2.88
Smiths Mills ‖	Pedee	.75					.42	.10	T.				.60								.05	.10	1.20						.02			.03	3.27
Society Hill ‖	do					.42	.02			T.		.75								.07		.02							.40	.60		.90	3.18
Summerville	Ashley	.77				.52	.02	T.	T.				1.05								.11	.63	.57					T.		.38		T.	4.05
Walterboro	Ashepoo	.52				.68	.02	T.					1.15								.08	.52	.50										3.47
Yemassee ‖	Combahee	.76					.69	.02	T.	T			.76								T.	T.	.95										3.18
Western Portion.																																	
Aiken	Edisto	.37				.20		.05															.60										1.22
Anderson	Savannah	.10				.16							.73						.05		.19		.19					.08	.05	.14	.34	.33	2.36
Batesburg ‖	Edisto						.29	.05	T.				.48								T.	.21	.33					T.				.25	1.61
Blairs ‖	Broad	.80				.07	.25	.08					.88								.15	.12	.20									.44	2.94
Calhoun Falls ‖	Savannah					.09		.04			.04							.04					‡.20									.39	0.80
Camden ‖	Wateree	.84				.04	.22	.20					.90								.12	.13	.04						.08		.04	.20	2.81
Catawba ‖	Catawba	.40					.14	.28					.90						.09		.08	.11	.10						.08		.04	.20	2.42
Chappells ‖	Saluda	.80				.15	.19	.03					.77								.09	.04	.11									.39	2.57
Clemson College	Savannah					.30		T.					.10								T.	.10						.23				.73	1.46
Columbia ***	Congaree	.01				.18	.14	T.	T.			.06	.93							.05	.10	.24	.02				T.	.01		.02	.17	.15	2.08
Edgefield ‖	Savannah	.61						.42					.74										.24										
Gaston Shoals ‖	Broad	.29				.01	.11	.14	.03			.01	.71						.05		.19	T.	.11				T.	T.	.10	.08	.14	.91	1.99
Greenville	Saluda	.25				.01	.22	.06	.03				1.02								.25		.06					T.	.10	.14	T.	.27	2.41
Greenwood ‖	do	.37					.20						.58								.09		.41									.56	2.21
Heath Springs	Wateree	.25					.20		.06				.70								.30		.15						.12	.06	.60	.53	2.97
Liberty	Savannah					.50	.10	.10				.30	.69						.02	T.		.20	.15			T.	.10	.20	.10	.18	.25	.20	3.09
Little Mountain	Saluda	.30				.32	.30		T.				.57								.14	T.	.40								.30	.70	3.03
Meriwether	Savannah					.13	.12	T.				.75									.32	T.	.42				T.					.08	1.82
Monetta	Edisto	.32				.24	.14	T.	T.				.98								.12	.05	.39								.05	.46	2.75
Newberry	Saluda	.25				.32	.15						.86								.15	T.	.37				T.				.33	.95	3.38
Pelzer ‖	do	.34				.10	.12	.04					.80						T		.28		.12						.20	.14		.30	2.44
Saluda	do	.39				.41	.15						.69								.16		.43								.22	.28	2.73
Santuck	Broad	.24				.21	.05	T.			T.		.80						T.		.16	T.	.23				.01				.16	.39	2.25
Spartanburg ‖	do					T.	.20	.07		T			.75						.04		.20	T.	.05				T.	T.	.11	T.	T.	.10	1.52
Trenton	Edisto	.38				.38	.06						.93									.25	.33										2.33
Winnsboro	Broad					.40	T.					.50	T.							T.	.25										.40		1.55
Winthrop College	Catawba	.34				.10	.12		T.				.60								.21		.40										1.77

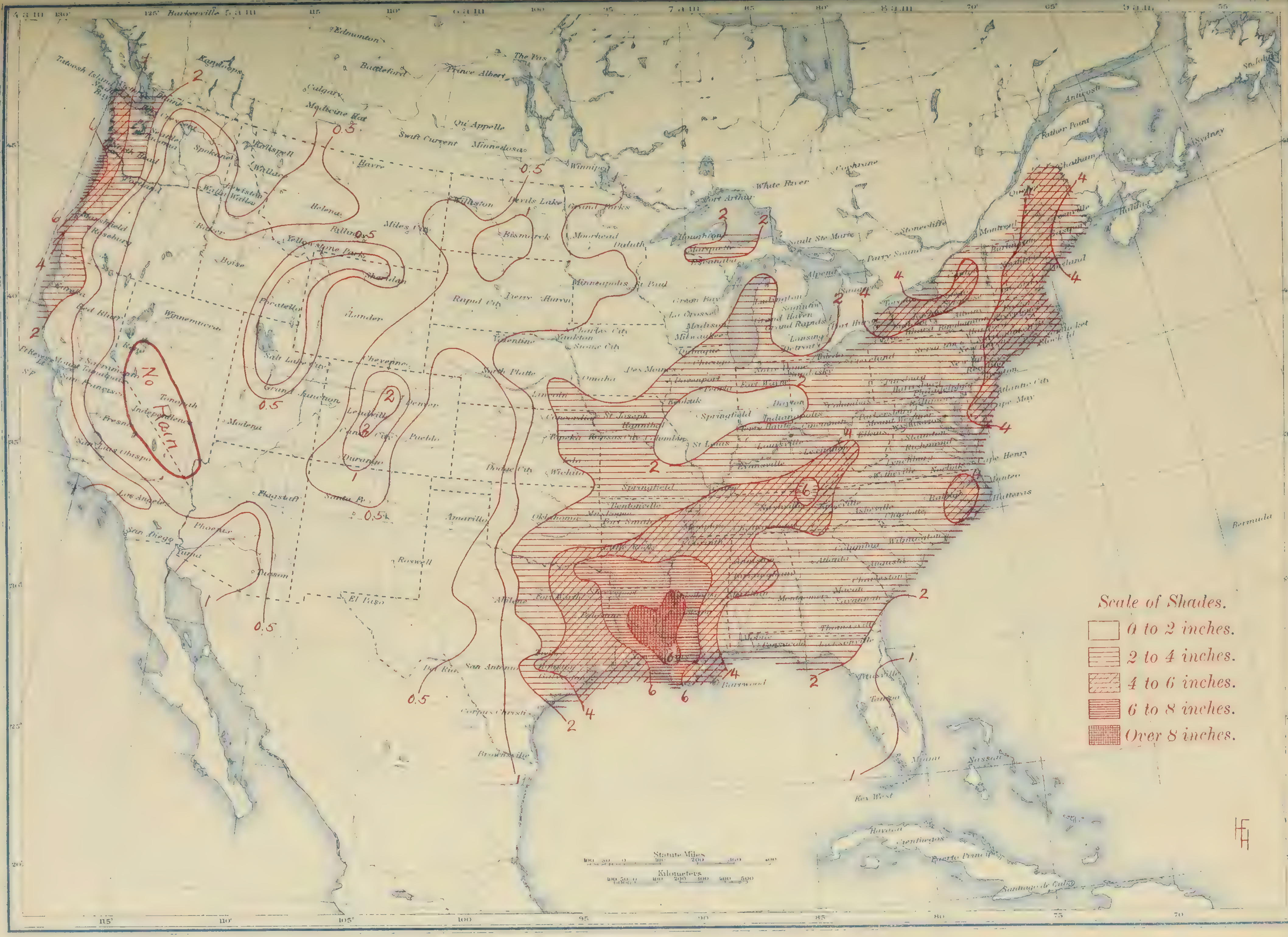
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. * Precipitation included in the next following measurement.
* * * Regular Weather Bureau station; precipitation is for the 24 hour period, midnight to midnight.
‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

Daily Temperatures for March, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	45	61	70	70	58	57	58	47	55	71	75	47	48	61	71	78	79	63	67	66	41	47	59	68	75	76	75	83	86	89	87	65.4
	Minimum	22	25	30	42	42	36	37	32	31	31	34	38	28	32	33	42	48	50	36	50	36	30	31	32	44	51	51	58	61	66	63	40.0
Beaufort	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Blackville §§	Maximum	41	51	69	73	50	59	57	49	57	76	79	50	63	74	74	81	81	61	70	55	43	60	70	75	77	80	82	88	88	91	89	68.2
	Minimum	37	19	26	28	44	40	33	30	29	28	51	35	25	29	33	40	46	47	33	47	34	26	29	30	43	50	51	58	59	61	61	39.5
Bowman	Maximum	51	50	59	68	55	57	56	50	52	70	75	55	54	60	70	78	75	70	60	55	45	41	55	70	74	76	80	82	85	88	82	64.5
	Minimum	37	19	27	28	41	40	35	30	30	28	42	35	25	28	30	35	42	45	30	45	32	29	28	30	40	46	47	52	54	57	58	36.9
Charleston	Maximum	54	43	59	56	53	55	58	48	52	59	67	59	48	53	62	72	70	62	66	62	40	41	59	60	64	68	67	75	76	76	76	59.8
	Minimum	30	24	32	38	48	41	40	36	34	39	51	37	32	39	40	45	50	47	41	40	31	33	36	41	49	55	55	56	60	63	56	42.6
Cheraw §§	Maximum	50	42	58	64	44	45	53	49	48	55	74	43	53	59	72	79	73	59	59	47	35	42	56	68	73	76	76	81	76	83	66	59.9
	Minimum	33	20	28	27	41	36	33	28	28	25	37	30	23	25	31	38	41	48	30	44	30	28	25	30	42	50	49	56	58	53	57	36.3
Conway §§	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Darlington §§	Maximum	50	58	65	65	45	46	54	49	50	60	75	43	55	57	70	77	71	60	60	54	36	41	57	68	73	74	75	80	77	84	65	61.1
	Minimum	34	19	23	38	38	36	32	31	28	25	34	31	22	26	31	40	47	48	29	40	29	28	28	30	36	50	45	55	57	57	58	36.3
Dillon	Maximum	48	43	58	66	52	49	55	..	50	52	...	75	53	59	70	78	74	60	61	55	40	42	....	70	73	76	75	79	78	83	74	62.4[c]
	Minimum	20	20	29	29	41	37	34		30	27	...	32	25	29	32	38	43	47	33	36	30	29	..	30	37	47	47	56	57	60	55	36.8[c]
Ferguson §§	Maximum	58	45	59	70	50	54	60	57	52	68	70	46	54	67	77	77	77	64	65	62	45	47	58	69	74	76	77	80	82	86	82	64.8
	Minimum	....	23	27	29	44	44	34	32	33	30	30	39	26	28	30	38	40	45	32	33	35	32	30	31	32	47	48	48	57	61	60	37.3[a]
Florence §§	Maximum	54	48	54	68	55	45	54	45	55	54	70	39	50	54	71	75	72	61	64	52	37	41	59	69	71	75	74	79	77	84	75	60.7
	Minimum	24	20	26	29	42	39	31	31	29	36	40	34	25	29	34	43	45	50	34	40	31	29	29	33	39	44	50	54	57	59	60	38.0
Georgetown	Maximum	48	47	60	50	57	58	50	48	54	60	60	54	55	60	68	72	67	70	55	48	41	40	55	62	71	78	72	78	80	78	78	60.2
	Minimum	32	16	29	35	42	36	30	34	30	38	42	36	26	31	38	32	48	48	34	34	30	30	38	40	42	48	55	58	58	58	55	38.5
Kingstree §§	Maximum	53	54	59	69	60	55	57	50	52	67	76	62	54	60	71	78	77	61	63	59	47	43	59	69	71	76	76	80	80	82	78	64.5
	Minimum	30	24	24	29	34	40	35	35	31	29	37	36	25	29	33	38	44	49	33	42	33	30	30	33	40	49	48	56	56	66	61	37.5
St. George §§	Maximum	53	45	62	70	50	57	57	50	56	72	76	40	55	62	71	78	79	61	68	60	37	45	59	70	75	77	76	82	85	87	86	64.5
	Minimum	38	21	23	29	32	42	34	35	31	29	41	36	35	29	31	37	42	50	32	44	35	30	27	31	39	46	50	53	58	62	60	37.8
St. Matthews §§	Maximum	50	47	63	69	49	55	54	46	52	68	75	42	53	59	72	78	76	60	65	57	37	45	59	68	74	76	75	81	84	87	80	63.0
	Minimum	35	18	20	28	36	39	35	31	29	27	33	35	25	27	36	44	47	48	32	38	32	29	29	31	39	48	47	55	55	60	58	37.2
Society Hill §§	Maximum	45	68	55	47	45	54	50	51	56	77	54	54	59	71	79	74	61	60	53	46	41	58	68	72	78	79	83	77	85	69	64	62.5
	Minimum	19	26	26	41	36	32	29	28	25	33	30	23	26	34	40	44	48	29	37	29	28	26	29	36	52	47	56	58	55	57	46	36.3
Summerville	Maximum	55	44	61	69	56	56	58	51	54	70	75	63	55	61	70	78	78	65	63	63	43	51	61	66	74	73	70	81	80	85	83	64.6
	Minimum	46	22	28	29	44	43	34	31	30	30	48	38	27	30	32	37	46	51	34	42	31	32	30	33	42	50	49	53	57	59	60	39.1
Walterboro	Maximum	55	46	65	72	58	58	60	50	56	74	78	65	60	56	74	80	82	65	69	62	44	43	63	71	76	80	77	83	86	88	87	67.2
	Minimum	40	22	27	30	45	44	37	33	32	30	47	39	27	29	31	38	44	51	33	43	32	32	27	31	42	50	52	54	61	62	61	39.6
Yamassee §§	Maximum	54	45	61	70	52	51	59	48	55	73	76	42	56	52	71	78	78	62	66	64	38	44	59	68	73	76	77	82	84	87	86	64.1
	Minimum	39	21	25	28	43	43	32	30	28	28	42	40	25	27	30	35	36	47	33	34	36	30	27	30	31	43	49	50	52	55	59	36.5
Western Portion.																																	
Aiken	Maximum	51	41			60	52	54	46	54	69	75	68	56	60	71	78	76	71	65	62	47	47	58	68	75	75	75	76	85	87	81	65.1[b]
	Minimum	35	18			43	40	33	28	25	34	51	34	28	33	37	43	48	44	35	42	31	28	26	28	45	53	54	55	62	60	60	40.1[b]
Anderson	Maximum	46	50	63	66	61	59	49	48	53	65	72	59	57	61	73	78	83	62	65	59	44	53	66	73	74	73	72	82	80	77	67	64.0
	Minimum	27	18	23	31	40	38	31	30	27	35	49	35	31	32	40	45	48	39	32	42	29	29	26	34	42	54	53	54	59	53	53	38.0
Batesburg §§	Maximum	45	44	58	65	60	56	54	51	50	65	74	57	55	58	62	75	74	65	65	54	35	41	50	63	70	72	74	78	83	83	76	61.8
	Minimum	36	[illegible]	21	30	44	39	33	34	35	36	40	33	28	32	39	41	49	41	35	42	30	24	29	32	39	50	52	54	57	59	57	38.4
Camden §§	Maximum	48	45	66	67	50	49	55	50	52	58	76	43	55	59	70	80	74	62	60	55	57	58	60	69	74	68	76	81	79	85	70	62.7
	Minimum	37	35	35	37	40	40	35	35	36	[illegible]	36	35	25	25	30	35	35	45	36	36	33	33	34	33	33	44	50	50	59	60	55	37.9
Clemson College	Maximum	43	45	60	62	61	55	54	44	55	62	65	59	52	62	66	72	73	70	58	57	50	53	51	64	67	68	75	77	75	76	66	61.3
	Minimum	33	20	20	30	41	41	33	33	28	36	47	36	32	31	33	36	43	42	33	31	32	31	32	30	39	52	56	60	55	58	57	37.4
Columbia	Maximum	56	40	59	67	51	52	51	47	51	64	74	55	54	60	72	78	71	61	62	55	38	46	58	68	73	74	74	82	81	84	73	62.5
	Minimum	25	21	30	33	40	39	38	31	30	34	49	34	29	33	39	46	50	45	36	38	30	29	31	36	45	55	55	60	62	62	52	39.8
Greenville §§	Maximum	44	49	65	65	43	57	48	45	52	52	65	44	56	61	71	78	71	56	60	48	42	53	52	76	70	67	71	80	78	72	66	59.7
	Minimum	32	16	17	25	22	39	30	28	24	27	34	31	26	27	32	34	37	39	30	35	28	28	24	25	36	43	49	51	54	53	54	33.5
Greenwood §§	Maximum	49	48	61	70	67	60	52	44	51	65	75	46	56	61	72	77	71	57	62	51	39	56	58	68	75	74	75	86	83	84	72	62.5
	Minimum	36	18	19	25	34	38	32	29	27	29	35	32	29	30	30	40	47	42	35	37	29	28	29	30	37	43	56	52	58	55	51	35.7
Heath Springs	Maximum	43	39	55	62	46	46	58	44	46	55	71	55	52	55	67	67	67	55	57	44	39	42	52	60	67	68	72	75	76	78	65	57.3
	Minimum	32	17	28	30	40	34	32	28	26	26	38	27	25	29	29	39	39	43	28	34	27	25	28	34	39	35	40	48	58	51	56	34.4
Liberty	Maximum	42	51	64	64	59	54	45	44	50	62	63	56	55	61	72	77	71	64	61	54	46	53	61	69	71	68	[illegible]	81	[illegible]	74	64	61.1
	Minimum	27	17	19	29	40	46	40	29	25	31	43	34	29	31	36	39	45	40	31	36	28	[illegible]	28	30	40	55	52	57	59	55	53	37.0
Little Mountain	Maximum	49	45	66	67	59	50	52	46	52	65	74	66	54	61	71	77	73	66	61	58	50	46	58	70	74	72	75	80	[illegible]	83	72	63.6
	Minimum	34	19	29	35	40	38	32	29	28	35	48	32	28	33	40	46	50	41	35	38	31	27	30	37	44	54	53	59	65	58	65	40.0
Meriwether	Maximum	48	49	...	70	62	57	51	45			75	..	57	63	73	78	71	67	67	61	[illegible]	49	50	68	70	75	[illegible]	82	86	86	82	65.5[d]
	Minimum	31	19	24	33	42	38	33	30	28	..	...		25	29	32	38	43	43	34	44	32	29	28	28	44	54	49	56	61	56	58	37.9[e]
Monetta	Maximum	48	46	59	68	62	56	51	45	51	67	75	68	55	60	71	78	75	69	64	60	40	[illegible]	56	68	74	74	75	80	85	85	79	64.3
	Minimum	36	19	27	34	43	39	34	30	27	30	49	34	28	30	37	41	48	45	35	41	32	28	31	36	42	52	58	57	61	60	58	39.2
Newberry	Maximum	49	42	60	68	58	52	50	46	50	64	75	68	55	61	71	77	74	62	62	60	47	48	58	69	72	74	75	80	84	83	84	63.8
	Minimum	35	20	25	28	40	39	30	30	28	27	47	33	25	29	32	39	42	43	30	41	30	28	28	31	45	54	48	59	60	55	55	37.4
Saluda	Maximum	50	49	63	68	61	58	51	47	52	67	75	71	58	61	72	77	75	75	65	63	45	48	59	69	74	74	74	81	84	85	77	65.4
	Minimum	27	20	21	25	42	30	33	[illegible]	27	26	47	34	24	27	31	37	39	44	29	41	30	28	26	28	37	52	45	59	60	58	58	36.3
Santuck	Maximum	52	44	60	63	57	51	51	46	52	62	73	59	59	63	75	79	71	62	62	51	42	52	64	73	74	69	76	84	83	78	70	63.1
	Minimum	32	18	25	29	40	38	31	27	26	27	38	32	25	29	32	40	45	42	28	38	29	27	38	31	38	51	49	57	60	51	53	36.0
Spartanburg	Maximum	44	39	58	63	43	52	48	44	49	60	67	44	54	60	72	77	71	57	59	47	41	49	58	69	71	70	72	79	80	74	66	59.3
	Minimum	[illegible]	12	19	29	35	37	31	28	26	26	31	31	26	27	30	37	39	40	[illegible]	[illegible]	27	28	21	26	30	44	46	49	57	50	54	33.5
Trenton	Maximum	49	48	59	70	54	49	50	49	49	60	74	55	58	61	70	76	76	72	[illegible]	[illegible]	55	47	57	70	74	75	75	80	84	86	84	63.7
	Minimum	31	19	26	33	41	39	35	[illegible]	28	34	51	34	31	34	40	48	49	44	46	[illegible]	31	28	30	38	43	63	52	54	58	59	59	39.9
Winnsboro	Maximum	45	35	55	64	60	64	50	45	45	50	72	45	50	65	70	75	70	70	68	55	46	45	50	66	69	73	73	79	80	80	66	60.6
	Minimum	28	17	25	33	37	35	30	28	25	25	35	30	27	30	30	33	48	35	31	[illegible]	30	25	28	30	41	52	52	54	57	55	57	36.0
Winthrop College	Maximum	45	43	66	65	56	47	56	46	45	56	69	60	54	58	71	71	70	65	58	57	43	45	56	67	68	67	70	75	75	71	68	59.7
	Minimum	30	18	25	31	38	35	23	23	26	28	40	28	26	25	33	44	48	41	30	34	26	25	28	33	45	50	55	56	60	49	52	35.7

a, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, inches, March, 1914.



(*Continued from page 19.*)

MISCELLANEOUS PHENOMENA.

Earthquakes (dates).—Gaston Shoals, 5th, 4 p. m.

Fog Dense (dates).—Cheraw, 23d, 30th; Gaston Shoals, 20th, 27th; Liberty, 6th; Pelzer, 30th; Smiths Mills, 30th.

Hail (dates).—Gaston Shoals, Liberty and Monetta, 6th; Newberry, 6th, 30th.

Halos (dates)—Lunar: Charleston, 10th; Columbia, 4th; Santuck, 5th. Solar: Charleston, 27th; Liberty, 28th; Santuck, 4th, 30th.

Meteor (date).—Santuck, 26th. (As large and bright as a skyrocket; observed at 7:14 p. m.).

Sleet (dates).—7th, 12th and 20th, 1 station; 21st, 11 stations; 22d, 7 stations.

Snow (dates).—6th, 2 stations; 7th, 8 stations; 8th, 5 stations; 10th, 2 stations; 11th, 3 stations; 12th and 20th, 1 station; 21st, 7 stations; 22d, 10 stations.

Thunderstorms (dates). — Batesburg, 30th; Catawba, 6th; Charleston, 29th, 30th; Cheraw, 29th; Clemson College, 30th; Columbia, 6th, 30th; Greenville, 30th; Newberry, 6th, 21st, 30th; Liberty, 30th; Saluda, 30th; Santuck, 6th, 30th.

Errata.—February, 1914.

Cheraw. Precipitation, number of days with 0.01 inch or more should be 11.
Clemson College. Mean temperature should be 43.5.
Ferguson. Mean temperature should be 48.0.
Greenwood. Precipitation, greatest in 24 hours should be 0.60.
Monetta. Mean temperature should be 45.4.
Saluda.—Mean temperature should be 44.9; mean minimum, page 14, should be 32.3.
Winthrop College. Total precipitation should be 2.95.

COMPARATIVE DATA FOR MARCH.

Year.	Temperature.			Precipitation.		Average number of days—			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Pt. Cldy.	Cloudy.	
1887	51.4	82	23	1.85	7				
1888	52.1	80	19	6.71	9				sw.
1889	51.6	77	20	3.41	7				w.
1890	52.5	85	11	2.96					sw.
1891	50.0	78	20	7.88					ne.
1892	52.8	78	23	3.78					nw.
1893	53.9	85	18	2.22	9	13	9	9	sw.
1894	59.3	90	15	2.08	7	15	11	5	sw.
1895	53.5	90	24	5.71	11	12	8	11	sw.
1896	53.1	93	19	2.12	5	14	10	7	sw.
1897	56.4	92	21	4.54	12	7	9	15	sw.
1898	59.1	92	22	2.99	7	11	9	11	ne.
1899	55.2	89	12	3.89	9	12	10	9	sw.
1900	51.6	79	22	4.22	9	12	8	11	sw.
1901	53.4	86	10	4.36	8	14	8	9	sw.
1902	54.0	86	19	4.08	10	14	7	10	sw.
1903	60.4	84	26	5.92	10	7	9	15	ne.
1904	56.2	87	23	3.42	9	13	9	9	ne.
1905	57.8	93	28	2.15	6	15	6	10	ne.
1906	51.6	82	18	5.34	10	13	6	12	w.
1907	62.0	99	20	1.57	5	15	10	6	sw.
1908	61.4	90	29	4.56	8	15	8	8	sw.
1909	54.1	90	27	4.80	11	14	8	9	sw.
1910	59.4	93	22	1.38	4	21	6	4	sw.
1911	54.9	90	22	2.30	7	17	8	6	w.
1912	53.2	88	15	6.79	10	14	5	12	ne.
1913	56.9	88	22	7.40	10	13	5	13	w.
1914	50.2	91	12	2.59	8	14	9	8	w.
Averages	54.9	99	10	3.96	8	13	8	10	sw.

MISCELLANEOUS DATA FOR MARCH, 1914.

Stations.	Barometer—sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Sunshine—total hours.	Relative humidity—per cent.	Wind.	
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.			Average hourly velocity—miles.	Prevailing direction.
Asheville, N. C.	30.12	41.0	73	8	2.34	0.89	196.2	70	10.0	nw.
Augusta, Ga.	30.12	52.4	85	22	1.89	0.74	260.0	68	7.7	w.
Charleston, S. C.	30.11	51.2	76	24	2.34	0.63	278.4	73	11.5	w.
Charlotte, N. C.	30.16	46.2	77	18	1.56	0.72	371.5	67	8.4	s.
Columbia, S. C.	30.12	51.2	84	21	2.08	0.99	227.7	63	8.4	w.
Savannah, Ga.	30.12	54.3	83	24	1.78	0.71	264.7	70	14.4	w.
Wilmington, N. C.	30.10	48.4	76	22	2.89	0.75	243.9	70	9.2	w.
Averages	30.12	49.2	85[a]	8[a]	2.13	0.99[b]	263.2	69	9.9	w.

[a] Extremes. [b] Greatest.

Stacks

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

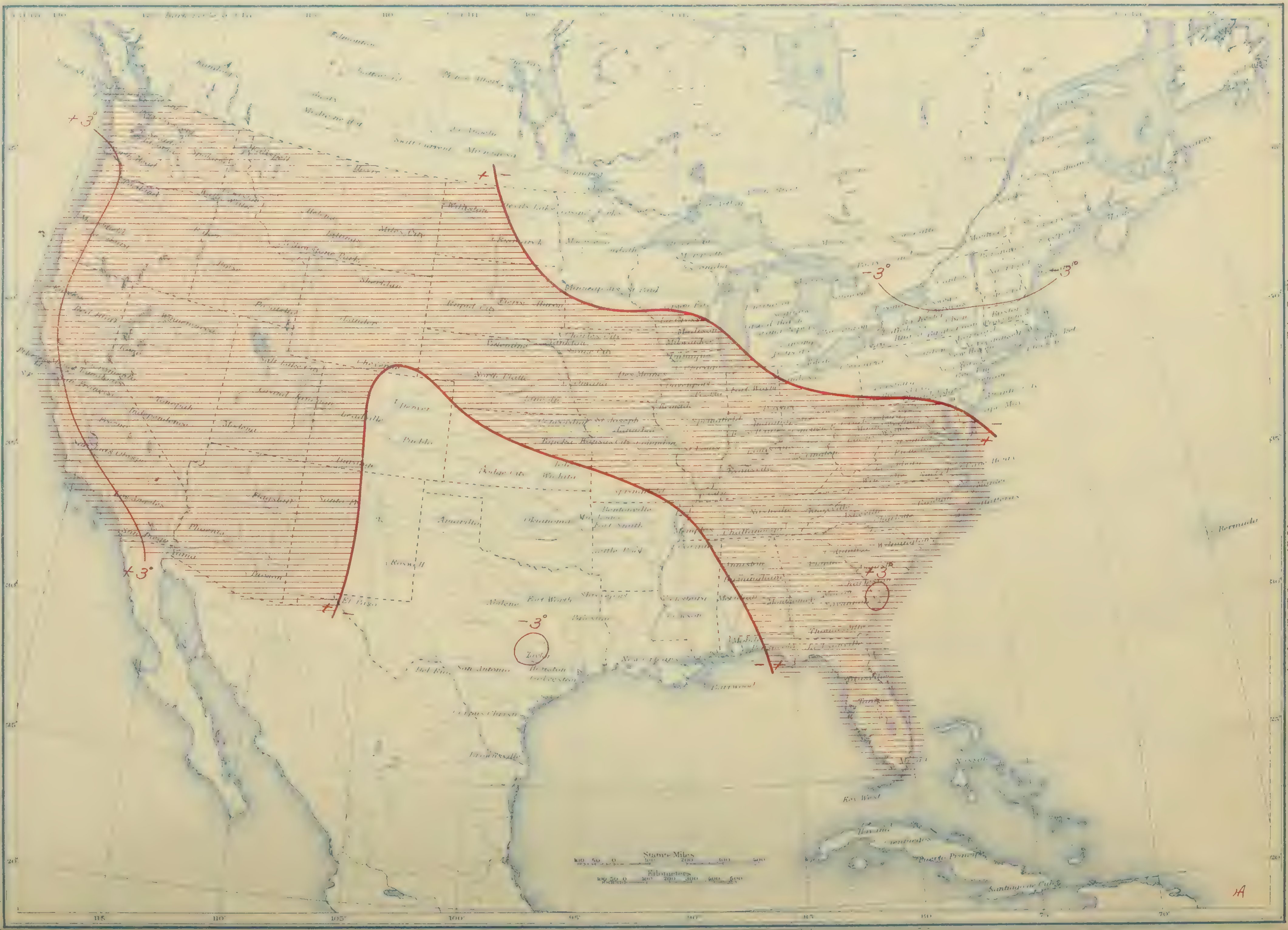
SOUTH CAROLINA SECTION

APRIL, 1914

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

RALEIGH, N. C.
WEATHER BUREAU OFFICE
June 4, 1914.

Departure of the Mean Temperature from the Normal, April, 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

Vol. XVII. Columbia, S. C., April, 1914. No. 4

GENERAL SUMMARY.

April was somewhat warmer than usual. The daily mean temperatures ranged near the seasonal average, except that the cool periods throughout the Section on the 9th and 10th and in the more elevated districts on the 21st were more than overcome by the excessive heat of the last four days of the month. While the precipitation was near normal for the Section as a whole, there was complaint of too much rain in the northwestern counties during the first half of the month as against insufficient rainfall in the interior counties along the lower Piedmont, in the upper coastal plain and in the extreme southern districts. Generous warm rains are now needed to advance vegetation from a condition of retarded growth to the seasonal standard. Heavy rains of 1 to 2.34 inches in the upper drainage areas on the 14th and 15th were followed by moderate floods in the Catawba, Wateree and Santee rivers and relatively high water in the Congaree, Broad, Saluda and Pee Dee rivers progressively from the 16th to the 28th.

The last spring killing frosts occurred generally over the Section between March 23d and 25th, there being but three reports of killing frost temperatures in April.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations, was 30.06 inches. Highest pressure in the district mentioned, 30.36 inches at Charlotte and Wilmington, N. C., on the 24th; lowest, 29.66 inches at Asheville, N. C., on the 8th. Pressure range in the Section proper, 30.34 inches on the 22d down to 29.75 inches on the 8th at Charleston.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 39 stations, was 63.7 degrees, or 1.4 degrees above the established normal. Highest temperature, 98 degrees at Blackville, Barnwell Co., on the 28th and at Saluda, Saluda Co., on the 26th. The warmest period occurred during the last four days of the month. Lowest temperature, 30 degrees at Heath Springs, Lancaster Co., and Santuck, Union Co., on the 10th. The coolest period of the month was generally on the 9th and 10th, but a few stations in the upper reaches also reported low temperatures on the 21st.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 75 per cent; 8 p. m., 67 per cent. The highest monthly averages occurred on the coastal plain, and the lowest, over the interior of the district.

PRECIPITATION.

Average for the Section, 51 stations reporting, 2.86 inches, or 0.01 inch above the established normal. Five storm periods were attended by five series of rains, namely: 1st, 7th-8th, 14th-15th, 21st and 29th-30th. While fairly well distributed as to area, by far the heaviest rainfall was recorded in the northwestern counties and in the northeastern coastal plain, where the amounts ranged from three to over five inches. In the interior counties, the middle and lower Savannah watershed and the extreme southern coast districts the amounts were less than two inches. Greatest local monthly amount, 5.58 inches at Clemson College, Oconee Co., least, 1.25 inches at Beaufort, Beaufort Co. Greatest twenty-four hour amount locally, 2.98 inches at Greenville, Greenville Co., on the 13th and 14th.

A trace of snow at Greenville, Greenville Co., is the only snowfall reported for the Section.

WIND.

The prevailing winds were from the southwest. Average hourly velocity, determined from 7 anemometer records, 9.3 miles. Highest average velocity, 12.5 miles per hour at Savannah, Ga., lowest, 6.5 miles per hour at Augusta, Ga. In the Section proper the averages ranged from 11.4 miles at Charleston down to 7.5 miles per hour at Columbia. Highest velocity for a five minute period, 40 miles per hour from the west on the 15th at Savannah, Ga., lowest, 26 milles per hour from the west on the 30th at Charlotte, N. C.

SUNSHINE AND CLOUDINESS.

Total hours of sunshine, determined from 7 automatic records, 272.6, or 70 per cent of the possible amount. Average number of clear days, 13; partly cloudy, 10 and cloudy, 7, as against normals of 14, 9 and 7 days respectively.

RIVER CONDITIONS.

General rains of 1 to 2.34 inches in the upper reaches of the Santee River System on the 14th and 15th were followed by moderate floods in the Catawba, Wateree and Santee rivers and high water in the Congaree, Broad and Saluda rivers progressively from the 16th to the 28th. Flood stages were as follows: Catawba River at Catawba, 12 feet on the 16th, or 1 foot above flood, Wateree River at Camden, 26.6 feet on the 16th, or 2.6 feet above flood; Santee River at Rimini, 14.5 feet on the 21st, or 2.5 feet above flood, and at Ferguson, 13.7 feet on the 22d and 23d, or 1.7 feet above flood. Stages near flood occurred at stations on the Congaree, Broad and Saluda on the 15th and 16th. The unavoidable losses approximated $9,825 while the value of movable property saved by timely warnings of the Weather Bureau is estimated at about $14,000. The same series of rains also produced high water in the upper Pee Dee on the 15th and 16th and in the lower Pee Dee between the 22d and 28th. The remaining rivers of the Section continued relatively low.

(Continued on page 32.)

Climatological Data for April, 1914.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.*	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit. on (0.01 in. or more)	Clear.	Part cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	25	67.5	+ 3.7	95	28†	38	10	40	2.31	- 0.25	0.87	0	7	...	...	...	.....	S. B. Rouse.
Beaufort	Beaufort	21	27	.....	......	88	27	42	10	....	1.25	- 1.20	0.85	0	2	....	....	....	sw.	Miss Lillian H. Rice.
Blackville	Barnwell	296	25	67.7	4.2	98	28†	36	10	42	2.61	- 0.66	1.76	0	7	....	....	....	.....	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	11	64.7	+ 0.5	94	29	36	10	35	3.66	+ 0.20	1.52	0	7	19	9	2	w.	B. O. Evans.
Charleston	Charleston	48	43	65.2	+ 1.4	88	27	43	10	25	2.77	- 0.22	2.30	0	7	14	11	5	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	24	61.8	+ 0.9	94	29	33	10	38	2.37	- 0.42	1.41	0	10	....	....	....	.....	J. H. Powe.
Conway	Horry	25	28	63.2	- 0.9	92	29	37	10	30	3.39	+ 0.50	1.04	0	8	18	1	11	sw.	Paul Quattlebaum.
Darlington	Darlington	175	18	62.4	- 0.8	94	29	33	10	37	1.44	- 1.86	0.52	0	5	12	2	16	.....	D. C. McCall.
Dillon	Dillon	100	10	62.6	+ 1.5	92	29	36	10	37	3.42	- 0.25	1.60	0	9	....	....	....	.....	A. E. Rowell.
Edisto ‡‡	Bamberg	143	26	.....	.....	.....	.....	.....	.....	.....	2.47	- 0.80	0.68	0	8	....	....	....	.....	Nathan Jenkins.
Effingham	Florence	106	21	.....	.....	.....	.....	.....	.....	.....	2.44	- 0.77	1.03	0	8	....	....	....	.....	H. B. McCall.
Ferguson	Berkeley	63	28	64.6	+ 2.6	91	28†	38	11	40	3.23	- 0.45	0.90	0	8	11	9	10	ne.	Joseph P. Simons.
Florence	Florence	136	25	62.2	+ 0.3	93	29	35	10	36	2.37	- 0.48	0.85	0	6	....	....	....	.....	H. K. Gilbert.
Georgetown	Georgetown	12	19	65.4	+ 2.0	90	29	39	10	32	2.30	- 0.87	1.65	0	3	12	16	2	n.	A. P. Hazard.
Kingstree	Williamsburg	54	25	64.5	- 2.1	94	28†	37	10	36	3.87	+ 0.94	1.03	0	10	....	....	....	.....	A. O. Matthews.
Pinopolis **	Berkeley	54	20	65.2	+ 3.3	86	27†	44	10	...	3.06	+ 0.11	1.16	0	7	15	0	15	e.	Miss E. P. Ravenel.
Rimini	Clarendon	97	4	.....	.....	.....	.....	.....	.....	.....	2.37	....	1.30	0	9	....	....	....	.....	William B. Wolfe.
St. George	Dorchester	109	25	65.6	+ 2.0	95	28	38	10	39	4.91	+ 1.85	1.90	0	8	....	....	....	.....	Geo. N. Snelling, M. D.
St. Matthews	Calhoun	269	25	64.3	+ 1.8	94	28†	35	10	38	2.50	- 0.78	0.86	0	8	....	....	....	.....	J. S. Wannamaker.
Smiths Mills	Georgetown	62	18	.....	.....	.....	.....	.....	.....	.....	3.23	- 0.04	1.13	0	10	....	....	....	.....	W. G. Walker.
Society Hill	Darlington	192	22	63.2	+ 1.5	95	28	32	9	39	2.20	- 1.16	1.20	0	7	11	17	2	sw.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	16	65.6	- 2.4	91	28	40	10†	34	2.89	- 0.63	1.52	0	6	6	24	0	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	11	67.2[b]	+ 2.2	95[a]	28	39[b]	10†	38[b]	2.48	- 0.78	0.86	0	6	13	12	5	.....	J. A. Westerberg.
Yamassee	Hampton	24	18	64.4	+ 1.2	92	28	38	10	40	2.31	- 0.69	0.86	0	8	....	....	....	.....	I. G. Hutson.
Division means and extremes		.....	.....	64.6	+ 1.9	98	28†	32	9	42	2.74	- 0.03	2.30	0	7	13	10	7	sw.	
Western Portion.																				
Aiken	Aiken	527	19	64.9	+ 1.5	92	29	36	9†	37	1.77	- 1.36	0.70	0	5	13	17	0	w.	W. M. Brown.
Anderson	Anderson	764	12	63.8	+ 3.1	93	27†	37	21	40	3.10	- 0.19	2.03	0	7	16	1	13	w.	H. H. Russell.
Batesburg	Lexington	656	25	63.1	+ 1.7	92	28	33	10	39	2.43	- 0.51	0.79	0	6	....	....	....	.....	E. J. Hite.
Blairs	Fairfield	293	8	.....	.....	.....	.....	.....	.....	.....	3.72	......	1.96	0	5	....	....	....	.....	J. N. Owens.
Calhoun Falls	Abbeville	508	21	.....	.....	.....	.....	.....	.....	.....	3.76	+ 0.20	1.72	0	4	....	....	....	.....	L. M. Parker.
Camden	Kershaw	222	47	62.4	- 0.2	92	29†	38	10†	37	3.71	- 0.77	0.98	0	10	19	4	7	ne.	W. C. Brown.
Catawba	York	562	8	.....	.....	.....	.....	.....	.....	.....	2.79	....	1.98	0	7	....	....	....	.....	James C. Faris.
Chappells	Newberry	402	9	.....	.....	.....	.....	.....	.....	.....	2.92	....	1.69	0	6	....	....	....	.....	J. J. Murran.
Clemson College	Oconee	850	22	61.8	+ 2.6	85	28	36	21	34	5.58	+ 1.06	2.97	0	5	13	6	11	w.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	27	64.4	+ 1.6	92	28	37	10	32	1.88	- 0.98	1.21	0	8	11	15	4	sw.	U. S. Weather Bureau.
Edgefield	Edgefield	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.50	......	0.76	0	3	....	....	....	.....	T. L. Timmerman.
Gaston Shoals ‡‡	Cherokee	680	1	.....	.....	.....	.....	.....	.....	.....	5.44	....	1.79	0	8	....	....	....	.....	Harry A. Parshall.
Greenville	Greenville	989	21	61.0	- 3.8	90	27†	36	21	44	5.08	+ 1.44	2.98	T.	8	14	4	12	sw.	Spartan Goodlette.
Greenwood	Greenwood	671	25	62.7	+ 2.1	94	28	38	10†	44	3.47	+ 0.47	1.78	0	5	....	....	....	.....	M. M. Calhoun.
Heath Springs	Lancaster	568	12	59.6	- 0.9	90	29	30	10	38	3.00	+ 0.09	1.72	0	6	11	12	7	w.	J. Marvin Bowers.
Liberty	Pickens	900	19	63.1	+ 3.1	92	28	38	11	42	5.29	+ 1.06	2.40	0	7	12	13	5	.....	John T. Boggs.
Little Mountain	Newberry	711	20	63.2	+ 1.4	92	28	35	10	41	2.80	- 0.39	1.64	0	7	27	0	3	sw.	J. M. Sease, M. D.
Meriwether	Edgefield	.....	10	65.0	- 2.7	94	28	35	10	43	1.97	- 1.06	1.00	0	5	11	5	14	w.	William S. Middleton.
Monetta	Saluda	400	7	64.6	....	92	28†	36	10	34	1.98	....	0.86	0	8	18	4	8	.....	Joseph M. Johnson.
Newberry	Newberry	502	26	63.8	- 2.7	94	20	36	10	39	2.86	0.15	1.06	0	7	5	16	9	w.	Warren G. Petterson.
Pelzer	Anderson	850	10	.....	.....	.....	.....	.....	.....	.....	3.34	....	2.08	0	7	....	....	....	sw.	Joshua Y. Jones.
Saluda	Saluda	536	11	64.2	+ 1.8	98	26	35	10†	43	1.75	- 0.78	0.96	0	4	20	4	6	w.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	19	64.2	+ 4.2	97	28	30	10	48	2.85	0.45	1.59	0	6	9	17	4	w.	E. W. Jeter.
Spartanburg	Spartanburg	875	22	60.6	+ 0.9	92	27†	36	10	42	3.42	+ 0.16	1.50	0	7	....	....	....	.....	F. P. Robinson.
Trenton	Edgefield	620	20	62.8	- 0.2	91	28	37	13	41	2.08	- 1.25	1.21	0	4	18	11	1	s.	C. A. Long.
Winnsboro	Fairfield	545	24	62.6	+ 1.6	91	28	33	10	31	0.65	- 2.35	0.40	0	2	18	10	2	w.	J. W. Seigler.
Winthrop College ‡‡	York	690	13	61.8	+ 1.4	94	27†	34	10	34	3.08	+ 0.07	2.00	0	5	3	26	1	sw.	W. P. Goodman.
Division means and extremes		.....	.....	63.0	+ 1.9	98	26	30	10	48	2.97	- 0.02	2.98	T.	6	14	10	6	w.	
State means and extremes		.....	.....	63.7	+ 1.4	98	26†	30	10	48	2.86	+ 0.01	2.98	T.	7	14	10	6	w.	

The departures from the normal temperature and precipitation are computed for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature readings are computed from observed readings of the dry bulb: means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily Precipitation for April, 1914.

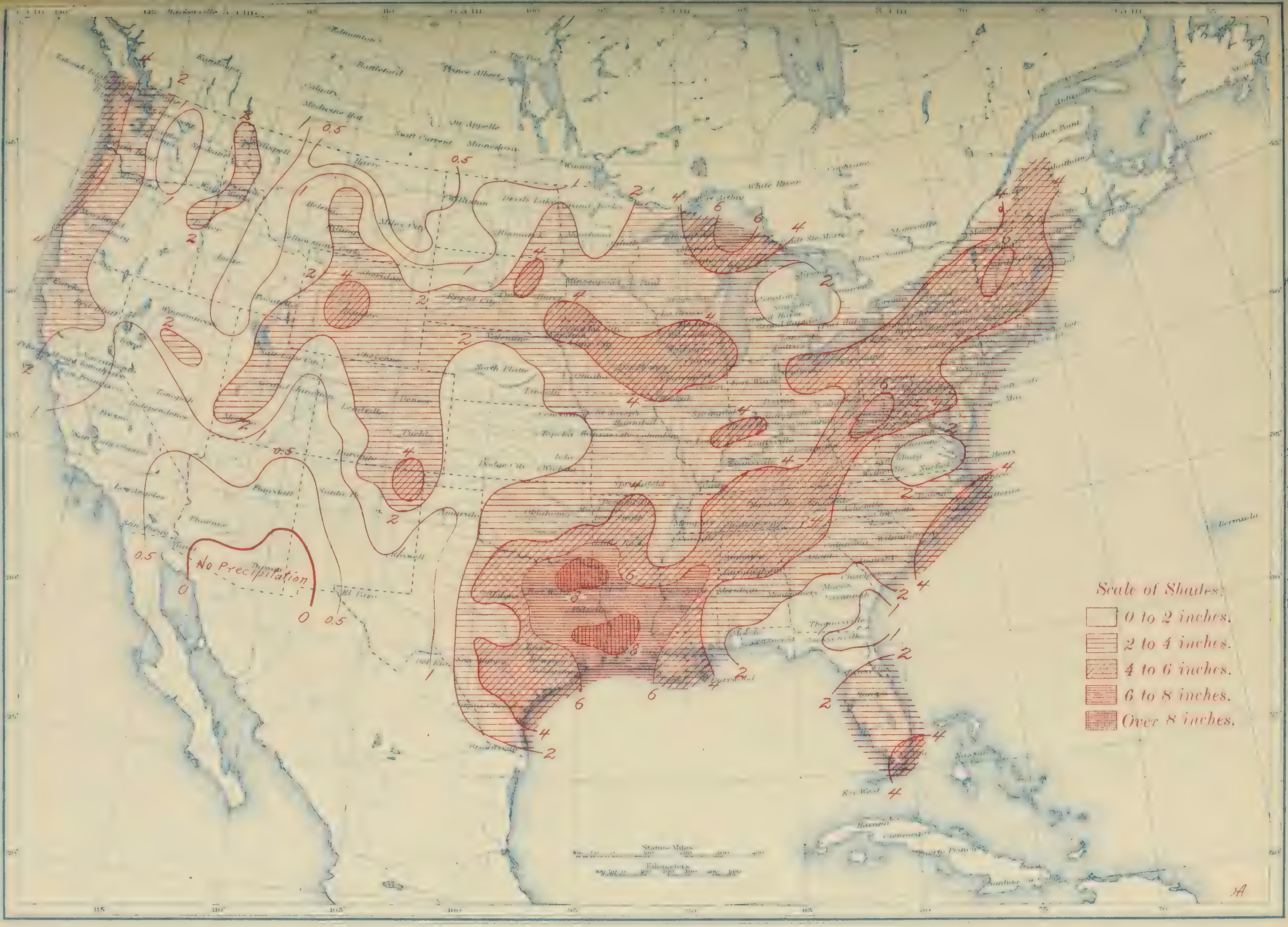
Stations.		Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale	Savannah							.17	.05	.16	.04					.86					.87										.16		2.31
Beaufort	Coast									.40					.85																		1.25
Blackville	Edisto	.02	.02					.03		.15	.03					1.76					.60												2.61
Bowman	do								.15	.20					1.52	.46					1.08					.06				.19			3.66
Charleston ***	Coast						.03	.08	.14	.01				T	2.30						.15									.06			2.77
Cheraw	Pedee	.27						.01	.12	.15			.01	.02	.09	1.41					.27						T.				.02		2.37
Conway	Waccamaw	T.			T.					.35	.42		.49	.11	.12	.76		.10			1.04												3.39
Darlington	Pedee								T.	.10	T.				.12	.52		.20			.50												1.44
Dillon	Little Pedee	1.60						T.	.08	.10			T.	.15	.58	.17	.06			.52										.16			3.42
Edisto	Edisto							.36	.47	.11	.10				.06	.52					.68										.17		2.47
Effingham	Lynches	.47								.23		.03			.20	.83		.12			.21										.35		2.44
Ferguson	Santee							.33	.18	.15	.10				.20	.57					.90										.80		3.23
Florence	Pedee	.34							T.	.42	T.			T.	.12	.82		.12			.85												2.37
Georgetown	Coast									.15					1.65			T.		.50							T.						2.30
Kingstree	Black							.13	.34	.11	.12		.30	.35	.22	.70					.57										1.03		3.87
Pinopolis	Cooper						.30		.30	.20			.20		1.16						.45									.45			3.06
Rimini	Santee	.01						.10	.24	.04	.03		T.		.53	.77					.63										.02		2.37
St. George	Edisto	.06						.40	.45	.38	T.				.25	.74				.73										1.90			4.91
St. Matthews	Santee							.26	.15	.10	.01				.20	.86					.72										.20		2.50
Smiths Mills	Pedee	.02								.15	.20		.58	.55	.15	.38		.04			.96										.20		3.23
Society Hill	do								.28			.02		.02	1.20		.03			.40										.25			2.20
Summerville	Ashley	T.						.26	T.	.17					1.52						.32								.16		.46		2.89
Walterboro	Ashepoo	T.						.06	.08	.20			T.		.86						.82										.44		2.48
Yemassee	Combahee							T	.04	.20	.03			.33	.05	.68					.86										.12		2.31
Western Portion.																																	
Aiken	Edisto	.20							.25						.70	.12					.50												1.77
Anderson	Savannah	.12						.02	.60				.07		2.03	.11					.15												3.10
Batesburg	Edisto	.42							.20	.27				T.	.32	.79					.43										T.		2.43
Blairs	Broad	1.05							.41						.58	1.38					.30												3.72
Calhoun Falls	Savannah	.97							1.07						.39	1.42																	3.76
Camden	Wateree	.70							.18	.27			.02		.41	.98		.04			.93						.07				.11		3.71
Catawba	Catawba	.26							.10	T.			.04		.28	1.70		.11			.30												2.79
Chappells	Saluda	.44							.40				.04		.25	1.44					.35												2.92
Clemson College	Savannah								2.28				.05		2.22	.75				.28													5.58
Columbia ***	Congaree	.01						.12	.10	T.			.01	T.	1.20	.02	T.				.39									.03			1.88
Edgefield	Savannah	.34														.76					.40												1.50
Gaston Shoals	Broad	.08						.05	.59	.19				.18	.37	1.79	T.	T.			.19												3.44
Greenville	Saluda	.23	T.					.01	1.68	.03	T.		.02		1.88	1.10					.13												5.08
Greenwood	do	.93							.58						.24	1.54					.18												3.47
Heath Springs	Wateree							.13	.16						1.72	.51	.10				.38												3.00
Liberty	Savannah	.02					.05	.02	2.00	T.		T.	T.		2.40	.50					.30									T.			5.29
Little Mountain	Saluda	.10							.27			.10		.07	1.64	.22					.40												2.80
Meriwether	Savannah	.15						T.	.19				T.		1.00	.21					.42												1.97
Monetta	Edisto	.20						.02	.22	.01			.08		.86	.10					.49									T.			1.98
Newberry	Saluda	.50						T.	.65				.03		1.06	.25					.35									.02			2.86
Pelzer	do	.22	.04						.80	.02					.88	1.20					.18												3.34
Saluda	do								.27						.96	.18					.34												1.75
Santuck	Broad	.20						.05	.31						1.59	.44	T.				.26									T.			2.85
Spartanburg	do	.20	T.					.05	.70		T.			.85	1.50		.02	T.			.10	T.			T.		T.						3.42
Trenton	Edisto	.17						T.	.22						1.21						.48												2.08
Winnsboro	Broad							T.	T.						.40		T.			.25													0.65
Winthrop College	Catawba								.30						2.00	.43	.10				.25												3.08

' Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. * Precipitation included in the next following measurement.
* * * Regular Weather Bureau station; precipitation is for the 24 hour period, midnight to midnight.
‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

Daily Temperatures for April, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	78	83	78	76	77	76	74	84	61	78	75	81	80	69	70	80	84	83	80	73	74	84	86	82	85	90	93	95	95	90	....	80.5
	Minimum	55	55	50	51	49	49	54	54	46	38	55	51	58	59	57	52	49	54	57	55	42	46	56	62	60	62	64	65	66	64	....	54.5
Beaufort	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	75	78	74	....	76	75	75	74	80	....	77	82	88	84	77	86	....	....
	Minimum	57	60	54	52	50	54	....	52	51	42	50	....	61	....	61	52	53	....	52	52	48	50	51	....	62	64	66	69	64	66	....	55.8ᵉ
Blackville §§	Maximum	78	84	80	79	79	80	84	80	59	67	82	83	82	70	70	81	86	88	84	75	78	86	90	86	87	90	95	98	98	93	....	82.4
	Minimum	52	56	47	50	45	46	58	57	47	36	40	54	56	57	53	50	47	53	53	54	40	44	54	60	68	61	61	64	64	62	....	53.0
Bowman	Maximum	81	82	77	71	72	80	82	70	60	60	70	80	74	76	68	78	80	78	77	78	79	84	83	80	85	87	91	93	94	88	....	78.6
	Minimum	52	50	45	41	42	50	50	48	44	36	38	48	55	51	50	48	45	45	55	54	45	55	56	57	58	60	61	62	62	61	....	50.8
Charleston	Maximum	69	83	67	62	68	67	70	74	63	55	62	73	66	68	75	78	68	74	73	77	68	70	80	69	72	79	88	84	82	87	....	72.4
	Minimum	54	61	54	53	51	54	62	62	44	43	51	59	60	59	60	57	56	64	64	52	47	54	60	61	65	65	67	67	68	68	....	58.1
Cheraw §§	Maximum	51	73	71	57	68	70	71	77	50	58	71	81	74	60	61	74	77	82	77	73	71	82	85	73	81	86	91	91	94	88	....	73.9
	Minimum	46	46	41	45	43	41	52	54	44	33	36	53	52	50	53	49	43	48	53	55	44	44	51	55	58	61	60	59	62	63	....	49.8
Conway §§	Maximum	70	77	73	56	68	68	75	81	48	60	69	76	73	65	70	75	77	78	75	74	70	78	85	70	77	86	90	89	92	97	....	74.4
	Minimum	49	52	49	50	44	46	51	56	48	37	40	48	54	53	55	52	47	51	53	57	47	45	55	54	55	58	64	63	63	64	....	52.0
Darlington §§	Maximum	62	76	74	59	71	71	72	78	53	61	73	80	75	65	65	75	78	82	82	73	73	80	85	74	81	81	92	93	94	90	....	75.6
	Minimum	46	47	42	45	42	40	48	55	45	33	36	47	51	50	51	51	43	49	53	53	42	41	53	53	55	60	61	59	60	63	....	49.1
Dillon	Maximum	61	73	72	58	70	72	76	80	70	60	74	78	74	63	67	75	77	82	77	73	70	80	83	72	80	85	90	91	92	....	....	75.0ᵃ
	Minimum	47	45	43	47	43	45	50	55	41	36	37	50	53	52	58	51	45	50	54	56	45	45	54	53	55	61	64	61	63	....	....	50.3ᵃ
Ferguson §§	Maximum	73	80	74	64	70	74	70	82	62	61	78	88	75	68	78	77	79	81	78	74	70	80	83	77	84	85	88	91	91	85	....	77.0
	Minimum	54	54	49	49	53	51	51	60	54	39	38	39	58	56	57	53	46	46	53	55	45	44	45	58	58	59	60	62	60	61	....	52.2
Florence §§	Maximum	61	75	76	59	61	72	74	83	47	61	74	81	73	61	70	73	77	82	77	72	64	78	82	72	80	90	92	90	93	85	....	74.3
	Minimum	48	47	45	46	44	43	43	55	47	35	38	49	54	54	55	51	45	49	54	55	45	46	52	50	55	58	62	60	59	62	....	50.2
Georgetown	Maximum	80	85	85	72	70	80	80	80	67	65	72	75	70	72	77	78	78	75	75	78	75	61	80	80	80	80	88	88	90	85	....	77.4
	Minimum	55	58	58	52	45	54	55	55	40	39	42	54	55	56	56	54	46	56	50	50	46	45	52	56	56	62	66	65	63	65	....	53.5
Kingstree §§	Maximum	70	80	74	64	70	73	71	80	56	61	75	80	75	66	70	78	72	83	80	75	71	81	86	76	83	88	91	94	94	86	....	76.8
	Minimum	50	51	48	51	44	47	50	57	51	37	39	50	56	54	56	53	46	59	54	56	43	45	51	56	53	59	63	62	62	64	....	52.2
St. George §§	Maximum	75	82	75	76	71	79	77	85	52	64	76	81	80	69	71	79	83	81	78	74	74	83	86	82	83	88	93	93	95	88	....	79.1
	Minimum	53	55	47	48	46	45	51	57	50	38	39	44	59	56	57	53	46	51	55	55	41	44	51	59	57	59	61	61	62	62	....	52.1
St. Matthews §§	Maximum	67	81	76	66	73	75	68	79	55	61	75	82	75	65	67	77	81	82	78	73	72	81	87	79	83	88	93	94	94	88	....	77.2
	Minimum	49	49	46	48	45	43	49	56	49	35	37	48	55	54	52	50	45	53	55	54	40	47	55	57	57	61	62	64	65	62	....	51.4
Society Hill §§	Maximum	75	74	59	70	72	72	79	67	66	73	81	75	63	64	76	80	84	79	75	72	82	87	72	83	89	93	92	95	89	71	....	76.9
	Minimum	46	42	45	43	40	50	56	42	32	37	51	52	50	50	50	45	49	54	54	43	43	49	54	55	60	59	59	60	62	....	....	49.4ᵃ
Summerville	Maximum	74	83	78	68	74	73	75	84	73	63	71	79	74	69	78	78	79	79	76	75	72	79	82	76	80	84	89	91	89	86	....	77.8
	Minimum	52	60	48	49	45	48	58	56	46	40	40	51	60	57	60	54	49	53	54	56	43	45	53	59	58	59	61	62	60	63	....	53.3
Walterboro	Maximum	75	85	81	76	76	77	77	86	68	67	78	80	79	71	74	81	....	84	78	77	76	83	87	82	82	87	93	95	93	82	....	80.3ᵃ
	Minimum	54	60	49	....	41	48	60	57	45	39	40	54	61	59	53	61	....	48	55	56	42	49	53	61	58	59	62	62	62	64	....	54.0ᵇ
Yamassee §§	Maximum	76	82	78	75	76	75	76	85	54	64	73	78	75	69	72	79	80	80	77	75	76	80	83	80	81	86	90	92	91	88	....	78.2
	Minimum	54	53	45	48	44	45	46	54	50	38	39	40	59	59	54	50	46	48	54	53	39	42	43	55	57	57	60	61	60	62	....	50.5
Western Portion.																																	
Aiken	Maximum	70	77	75	70	74	75	74	77	62	64	75	79	77	72	67	76	81	82	78	71	73	80	85	85	84	87	90	91	92	88	....	77.7
	Minimum	49	51	44	47	46	46	56	59	36	45	43	54	54	55	49	46	53	55	56	52	36	47	56	56	59	62	60	63	65	60	....	52.1
Anderson	Maximum	63	72	75	67	75	73	78	71	61	61	73	78	75	66	71	78	82	84	74	72	77	84	89	76	83	83	93	93	87	91	....	76.5
	Minimum	47	50	44	43	49	45	55	55	45	39	41	54	50	51	48	49	49	55	58	43	37	49	55	58	59	57	62	61	65	62	....	51.2
Batesburg §§	Maximum	75	70	72	76	69	72	75	76	60	58	62	77	74	65	63	75	80	80	75	67	70	81	85	78	81	85	88	92	91	88	....	75.3
	Minimum	46	52	46	45	47	45	50	59	52	33	37	48	50	50	47	51	53	54	55	49	37	43	49	55	57	59	61	64	65	67	....	50.9
Camden §§	Maximum	70	64	75	73	58	70	72	70	77	50	70	74	79	74	63	65	75	77	81	76	73	71	79	70	76	81	86	89	92	92	....	74.1
	Minimum	49	54	47	47	47	47	47	58	46	38	38	47	57	53	52	51	46	46	53	55	43	43	52	51	50	56	66	56	60	69	....	50.7
Clemson College	Maximum	59	70	70	68	68	68	70	71	65	58	66	73	73	69	60	73	76	77	77	72	69	77	80	76	78	82	82	85	83	83	....	72.6
	Minimum	48	46	46	44	47	48	54	58	45	42	38	54	51	53	50	50	46	55	61	53	36	43	52	61	58	62	57	57	62	57	....	51.1
Columbia	Maximum	65	72	72	65	69	72	68	74	59	59	73	78	74	64	65	76	78	81	76	70	73	86	86	76	81	86	91	92	91	87	....	75.1
	Minimum	48	55	48	48	49	47	57	58	42	37	44	57	56	54	50	53	50	57	60	48	41	48	57	57	60	63	63	68	69	66	....	53.7
Greenville §§	Maximum	53	73	75	66	73	69	73	71	59	60	71	78	76	59	61	75	78	80	74	66	77	83	86	77	85	87	90	90	87	89	....	74.7
	Minimum	46	41	39	40	41	42	44	54	40	38	38	40	50	50	46	47	44	48	52	51	36	39	44	56	57	62	56	56	61	61	....	47.4
Greenwood §§	Maximum	64	70	72	66	73	72	74	70	59	60	74	77	75	64	62	75	81	82	76	69	73	82	89	75	82	86	92	94	91	88	....	75.6
	Minimum	46	46	43	43	45	43	44	56	45	38	38	41	51	53	47	47	48	51	57	51	38	39	52	58	57	64	58	67	65	59	....	49.8
Heath Springs	Maximum	55	70	68	64	65	65	64	74	64	54	68	68	64	54	55	58	72	73	72	73	65	77	81	70	77	83	88	87	90	87	....	70.2
	Minimum	43	51	45	43	40	40	51	53	40	30	38	45	33	45	44	46	41	54	52	52	57	45	57	53	59	61	60	62	64	62	....	49.0
Liberty	Maximum	58	74	72	65	70	74	74	70	70	61	61	78	74	65	59	74	82	83	72	68	77	84	86	77	82	82	90	92	80	90	....	75.1
	Minimum	44	46	45	43	45	54	53	55	46	39	38	52	53	53	46	51	45	53	60	50	63	42	52	58	58	62	57	58	61	50	....	51.1
Little Mountain	Maximum	63	72	74	66	70	72	70	64	63	60	65	77	75	66	64	76	80	80	75	70	70	81	84	77	81	85	89	92	90	89	....	75.0
	Minimum	46	45	45	44	46	45	55	57	45	35	44	60	53	54	17	50	57	55	60	52	39	50	58	57	60	44	62	65	47	65	....	51.4
Meriwether	Maximum	68	74	75	70	74	77	76	74	61	64	77	79	78	68	68	78	84	83	79	74	77	81	88	79	86	88	92	94	92	90	....	78.4
	Minimum	49	52	50	39	44	41	58	59	43	35	43	54	51	55	48	48	45	56	59	57	36	41	50	57	60	62	58	61	74	60	....	51.6
Monetta	Maximum	64	72	73	70	70	74	73	72	64	62	74	78	75	70	63	75	82	81	77	73	73	82	88	79	84	86	87	92	91	92	....	76.6
	Minimum	49	53	47	47	47	45	56	58	48	36	42	55	53	55	48	50	50	55	56	53	39	48	56	57	59	63	61	63	65	63	....	52.0
Newberry	Maximum	63	72	73	66	71	73	75	72	65	60	75	79	73	67	64	75	81	84	78	72	73	82	84	77	84	89	91	93	94	89	....	76.4
	Minimum	47	52	42	45	46	42	57	56	46	36	42	57	54	52	48	50	45	55	57	50	37	43	52	57	62	65	57	59	64	63	....	51.3
Saluda	Maximum	65	75	75	68	72	73	72	73	68	63	75	79	75	69	64	76	83	81	78	75	75	82	85	79	83	98	90	92	94	90	....	77.6
	Minimum	48	53	38	45	49	40	58	58	48	35	39	55	52	54	48	48	45	57	56	52	35	39	50	58	62	65	57	56	62	59	....	50.9
Santuck	Maximum	59	72	79	64	76	75	74	71	62	68	77	80	78	65	64	75	85	85	77	70	86	84	86	82	86	92	96	97	92	95	....	78.4
	Minimum	41	52	46	42	43	40	56	56	45	30	39	55	53	50	47	48	45	50	56	53	38	43	53	57	57	63	56	58	65	59	....	50.0
Spartanburg	Maximum	56	67	69	66	72	68	72	71	55	59	71	75	55	60	63	74	77	83	76	68	74	84	88	78	82	86	92	92	90	82	....	73.5
	Minimum	45	45	47	38	40	40	47	56	41	36	49	44	50	44	45	48	45	49	52	52	37	42	46	46	58	63	56	58	59	57	....	47.8
Trenton	Maximum	73	70	73	74	74	75	73	72	70	72	76	75	78	65	65	60	62	71	70	65	74	80	77	78	85	85	88	91	90	89	....	75.0
	Minimum	52	49	45	46	48	45	58	48	46	45	46	40	37	56	54	50	50	54	50	47	40	46	59	60	51	52	52	65	66	64	....	50.7
Winnsboro	Maximum	70	67	66	68	66	70	69	71	63	58	72	73	70	65	61	71	76	81	75	66	68	80	83	80	81	84	89	91	88	87	....	73.6
	Minimum	50	48	45	43	46	41	54	56	43	33	43	55	52	50	47	49	49	55	56	49	39	49	57	60	60	62	62	65	63	62	....	51.5
Winthrop College	Maximum	58	69	68	65	68	67	68	69	59	60	69	66	71	70	59	66	72	78	77	71	72	78	84	84	83	88	94	94	90	88	....	73.5
	Minimum	45	49	41	40	43	39	54	58	40	34	40	56	49	48	46	48	45	53	55	50	38	49	56	56	63	60	60	64	61	60	....	50.0

ᵃ, ᵇ, ᶜ, etc., indicate respectively 1, 2, 3, etc., days missing from record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades:
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
No Precipitation
Statute Miles
Kilometers
Bermuda
Key West
Havana
Nassau
Los Angeles
San Diego
Phoenix
El Paso
Santa Fe
Flagstaff
Denver
Cheyenne
North Platte
Omaha
Lincoln
Dodge City
Oklahoma
Amarillo
Brownsville
Minneapolis
St. Paul
Kalispell
Spokane
Helena
Havre
Williston
Miles City
Devils Lake
Moorhead
Bismarck
Rapid City
Valentine
Topeka
Port Arthur
White River
Sault Ste. Marie
Swift Current
Medicine Hat
Calgary
Edmonton
Battleford
Prince Albert
Qu'Appelle
Minnedosa
Winnipeg
Kamloops
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Tonopah
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Fresno
San Francisco
Sacramento
Portland
Roseburg
Boise
Sheridan
Pueblo
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Hannibal
Columbia
Springfield
Louisville
Evansville
Memphis
Nashville
Atlanta
Augusta
Macon
Savannah
Charleston
Wilmington
Raleigh
Norfolk
Hatteras
Cape May
Pensacola
Mobile
Montgomery
Thomasville
Jacksonville
Corpus Christi
Palestine
Fort Worth
Abilene
Galveston
Shreveport
Vicksburg
New Orleans
Chattanooga
Knoxville
Toronto
Parry Sound
Chatham
Father Point
Halifax
Anticosti
Sydney
Edmonton
Puerto Principe
Santiago de Cuba
Cienfuegos

(*Continued from page 27.*)

MISCELLANEOUS PHENOMENA.

Fog. Dense (*dates*).—Blackville, 1st; Liberty, 1st; Monetta, 1st, 25th.

Frosts (*dates*).—*Light:* Anderson, 21st; Batesburg, 10th; Bowman, 10th; Camden, 10th; Catawba, 9th, 10th, 20th, 21st; Cheraw, 11th; Clemson College, 21st; Gaston Shoals, 4th; Liberty, 21st; Meriwether, 21st; Monetta 10th, 21st; Newberry, 10th, 21st; Spartanburg, 21st. Heavy: Cheraw, 10th. Killing frost temperature: Heath Springs, 10th; Santuck, 10th; Society Hill, 9th.

Hail (*dates*).—Bowman, 29th; Edisto, 21st; Newberry, 15th; St. George, 29th.

Halos (*dates*).—Lunar: Charleston, 3d, 5th, 9th, 10th; Columbia, 4th, 9th; Liberty, 7th; Solar: Charleston, 11th; Clemson College, 11th; Columbia, 2d, 11th, 12th, 18th; Liberty, 29th; Santuck, 4th, 11th; 23d; Spartanburg, 11th.

Thunderstorms (*dates*).—Aiken, 8th; Blackville, 14th; Bowman, 14th, 15th, 20th, 25th, 29th; Charleston, 8th, 14th, 20th, 29th; Cheraw, 14th; Clemson College, 14th; Columbia, 14th, 29th; Greenville, 7th; Liberty, 8th, 14th, 15th, 29th; Newberry, 8th, 14th, 15th; Pinopolis, 29th; Santuck, 8th, 14th, 15th, 16th, 20th; Spartanburg, 8th; Summerville, 8th, 29th; Trenton, 8th; Walterboro, 29th.

COMPARATIVE DATA FOR APRIL.

Year	Temperature.			Precipitation		Average number of days—			Prevailing wind direction
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Pt. Cldy.	Cloudy.	
1887	62.3	94	28	2.09	5	.....	.....	.....	.....
1888	64.6	95	31	1.33	1	.....	.....	.....	sw.
1889	62.4	93	30	2.01	6	.....	.....	.....	ne.
1890	62.8	91	31	2.02	6	.....	.....	.....	sw.
1891	63.2	92	26	1.66	.....	.....	.....	.....	sw.
1892	62.8	88	29	1.13	.....	.....	.....	.....	nw.
1893	66.7	94	34	1.30	5	15	10	5	sw.
1894	62.6	95	30	2.01	6	15	10	5	sw.
1895	61.4	94	28	5.55	10	12	9	9	sw.
1896	66.9	98	30	1.31	4	14	11	5	sw.
1897	62.2	95	31	3.24	9	16	6	8	sw.
1898	58.0	92	26	5.05	8	16	7	7	sw.
1899	60.0	91	27	3.02	7	12	9	9	n.
1900	62.4	90	24	5.41	9	12	9	9	ne.
1901	56.0	89	30	5.03	7	15	6	9	nw.
1902	60.4	91	24	2.18	7	15	9	6	w.
1903	60.4	88	26	2.95	8	14	9	7	w.
1904	59.2	89	21	1.34	6	14	8	8	sw.
1905	62.8	92	25	3.83	9	15	8	7	sw.
1906	65.1	93	28	1.39	4	20	6	4	sw.
1907	56.4	89	20	4.40	10	10	13	7	sw.
1908	66.6	95	31	4.75	9	11	10	9	sw.
1909	63.9	96	30	2.95	7	14	9	7	sw.
1910	63.4	95	32	1.71	5	15	10	5	sw.
1911	61.6	91	30	2.95	8	12	9	9	ne.
1912	64.3	91	32	4.24	9	14	5	11	sw.
1913	61.2	90	30	2.00	6	20	4	6	sw.
1914	63.7	98	30	2.86	7	14	10	6	w.
Averages	62.3	98[a]	20[a]	2.85	7	14	9	7	sw.

MISCELLANEOUS DATA FOR APRIL, 1914.

Stations	Barometer—sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Sunshine—total hours.	Relative humidity—per cent.	Wind.	
		Mean.	Highest.	Lowest	Total.	Greatest 24 hours.			Average hourly velocity—miles.	Prevailing direction.
Asheville, N. C.	30.06	55.0	83	27	3.13	1.76	272.3	66	10.2	nw.
Augusta, Ga.	30.06	65.4	90	40	1.59	0.92	295.6	71	6.5	se.
Charleston, S. C.	30.06	65.2	88	43	2.77	2.30	300.0	77	11.4	s.
Charlotte, N. C.	30.07	60.6	88	35	2.99	1.82	281.1	70	8.0	sw.
Columbia, S. C.	30.07	64.4	92	37	1.88	1.21	243.7	63	7.5	sw.
Savannah, Ga.	30.06	67.4	89	43	0.84	0.37	248.8	78	12.5	s.
Wilmington, N. C.	30.07	62.0	90	37	5.12	1.92	267.0	75	9.0	w.
Averages	30.06	62.9	92[a]	27[a]	2.62	2.30[b]	272.6	71	9.3	sw.

[a] Extremes. [b] Greatest.

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

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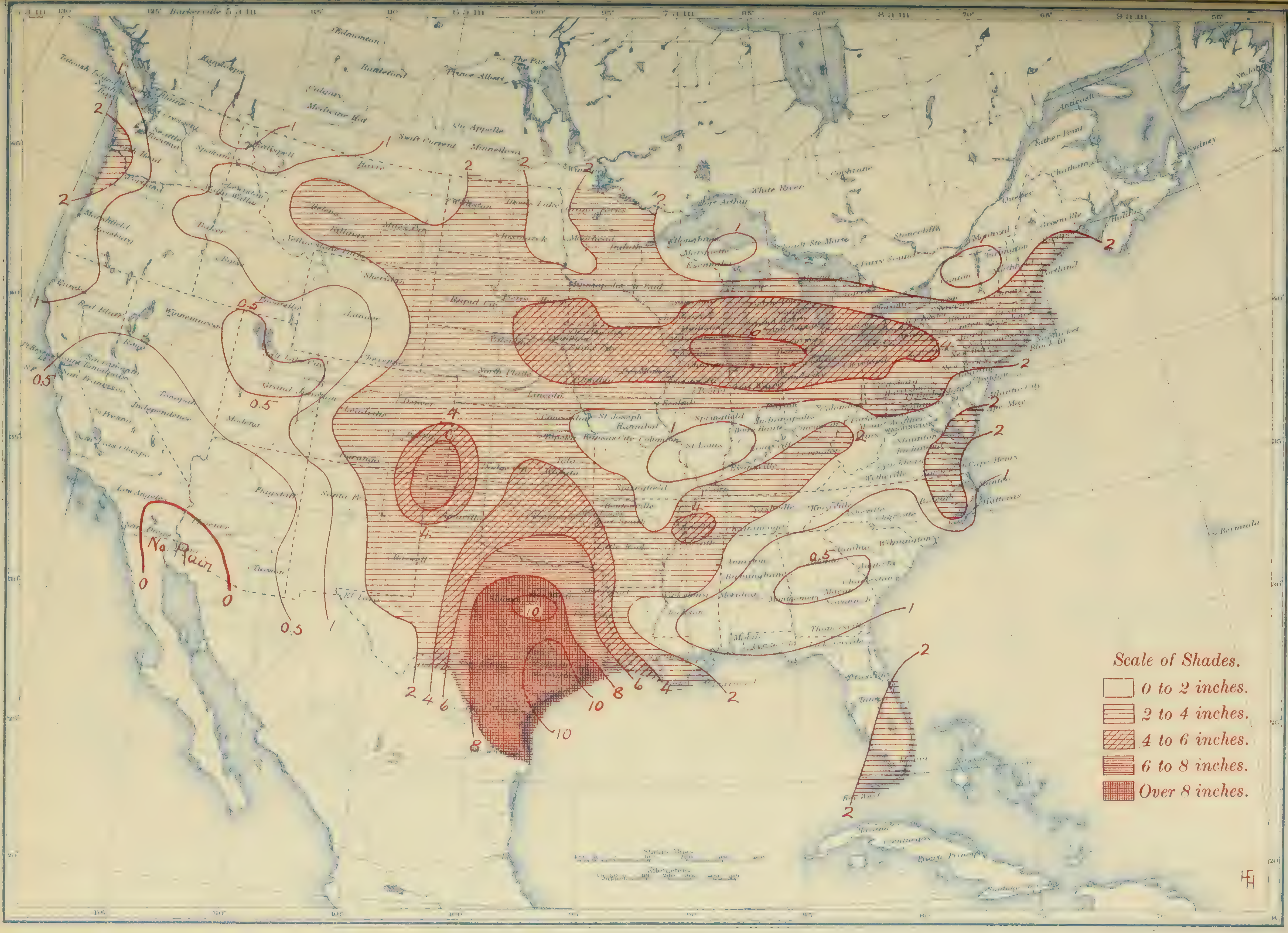
CLIMATOLOGICAL DATA

SOUTH CAROLINA SECTION

MAY, 1914

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

RALEIGH, N. C.
WEATHER BUREAU OFFICE
July 15, 1914.


No Rain
0
0.5
1
2
4
6
8
10
Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
HH

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

Vol. XVII. Columbia, S. C., May, 1914. No. 5

GENERAL SUMMARY.

Continued drought and abnormal sunshine were the marked features of the weather of May. Alternating periods of high and low temperatures resulted in a mean somewhat above the seasonal average. Cool nights during the middle of April and the first part of the current month, together with drought and also a destructive wind and sand storm on the 5th, which whipped or cut much young commercial vegetation off at the ground, necessitated replanting in extensive areas, especially in the more elevated districts of the western portion. Continued lack of sufficient moisture greatly retarded germination of late cotton seed and the proper development of young corn up to the close of the month. However, cultivation has been pushed to a maximum, and with but few exceptions the general acreage is free from weeds. In the eastern and southern portions of the Section where cotton was up and uninjured by the winds, the weather has been beneficial, and the stands are good to excellent. Conditions have been generally unfavorable for oats throughout the Section and for tobacco in the northeastern counties. The drought has practically ruined gardens, and the output of field vegetables has been materially reduced. Great improvement followed the showers that occurred in many parts of the northern and eastern portions of the Section at the close of the month, and timely additional rains will largely repair the damage incident to the present prolonged drought.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.13 inches. The highest pressure in the district covered was 30.57 inches at Asheville, N. C., on the 19th; lowest, 29.70 inches at the same point on the 5th. The pressure range in the Section proper was from 30.49 on the 19th down to 29.73 inches on the 5th at Columbia.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 40 stations, was 72.1 degrees, or 0.6 degree above the established normal. The highest temperature was 105 degrees at Santuck, Union Co., on the 28th and at Blackville, Barnwell Co., on the 29th. The warmest period of the month was on the 28th and 29th at practically all stations. The lowest temperature was 42 degrees at Florence, Florence Co., on the 3d, and at Saluda, Saluda Co., on the 10th. The coolest periods of the month were generally from the 1st to 3d, on the 9th and 10th and at a few scattered stations from the 17th to the 21st.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 70 per cent; 8 p. m., 55 per cent. The highest monthly average percentages occurred in the southern coast district, and the lowest, along the lower Piedmont from central Georgia to middle North Carolina.

PRECIPITATION.

The average for the Section, 51 stations reporting, was 0.83 inch, or 2.54 inches below the established normal and but 0.18 inch above the great dry May of 1911. There were two periods with fair showers over the Section up to the 15th, followed by almost unbroken sunshine until the closing days of the month. The heaviest rainfall occurred on the coastal plain, where the amounts ranged from 1 to over 2 inches. In a large portion of the interior and along the Savannah watershed the amounts were below one-half inch, with little or no precipitation in Edgefield County. The greatest local amount was 2.72 inches at Ferguson, Orangeburg Co.; least, 0.00 at Edgefield, Edgefield Co. The greatest 24-hour amount locally was 2.30 inches at Ferguson, Orangeburg Co.

WIND.

The prevailing winds were from the southwest. The average hourly velocity, determined from 7 anemometer records, was 8.8 miles. The highest average velocity in the district covered by reports was 13.1 miles per hour at Savannah, Ga.; lowest, 6.7 miles per hour at Charlotte, N. C. In the Section proper the averages ranged from 11.7 miles per hour at Charleston down to 7.4 miles per hour at Columbia. For a 5-minute period, the highest velocity was 70 miles per hour from the west at Savannah on the 7th; lowest maximum velocity, 36 miles per hour from the west at Charlotte on the 5th. In the Section proper the maximum velocities ranged from 43 miles per hour from the northeast at Charleston on the 18th down to 40 miles per hour from the southwest at Columbia on the 5th.

SUNSHINE AND CLOUDINESS.

The total hours of sunshine, determined from 7 automatic records, averaged 348.2, or 81 per cent of the possible amount. The average number of clear days was 18; partly cloudy, 10; cloudy, 3, as against normals of 15, 10 and 6 days, respectively.

RIVER CONDITIONS.

As a consequence of the prolonged drought, the rivers of the Section fell to near or below the low water mark at many points during the month. The Congaree River at Columbia fell to 0.7 foot below zero of the gage on the 17th and 18th, or within 0.9 foot of the lowest known stage on September 6, 1892. At Edisto the stage of 0.2 foot below zero was the lowest known since the record began in 1893.

MISCELLANEOUS PHENOMENA.

Earthquake (date).—Walterboro, 31st, at 11.03 p. m., lasting about 3 seconds; movement, apparently west to east.

Fog, Dense (dates). Cheraw, 26th; Columbia, 25th, 26th; Moneta, 25th, 26th; Rimini, 25th, 26th, 27th.

(Continued on page 40.)

Climatological Data for May, 1914.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal	Highest	Date	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipitation (0.01 in. or more)	Clear.	Part cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	25	71.4	+ 1.3	101	29	49	10	36	1.18	1.96	0.47	0	5	..	..	..	..	S. B. Rouse.
Beaufort	Beaufort	21	27	72.0^g		91^g	28	54^g	1	30^g	1.55	- 1.66	1.43	0	2	..	..	..	..	Miss Lillian H. Rice.
Blackville	Barnwell	246	25	75.3	1.8	105	29	45	10	44	0.19	3.38	0.19	0	1	..	..	..	..	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	11	73.0	1.7	98	29	45	10	40	1.81	- 1.73	0.51	0	5	22	9	0	w.	B. O. Evans.
Charleston	Charleston	48	43	72.5	0.1	94	29	55	9	27	0.82	2.65	0.50	0	5	21	6	4	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	24	71.8	+ 1.2	100	28	41	19†	45	0.67	3.00	0.30	0	5	..	..	..	..	J. H. Powe.
Conway	Horry	25	28	71.3	- 0.4	94	28	47	2†	38	1.44	- 2.01	1.13	0	2	..	..	..	..	Paul Quattlebaum.
Darlington	Darlington	175	18	72.0	+ 0.6	100	28	44	19	42	1.73	- 1.76	1.45	0	3	20	6	5	.....	D. C. McCall.
Dillon	Dillon	100	10	71.8	+ 0.3	98	28	46	[illegible]†	39	0.48	- 3.12	0.26	0	4	..	..	..	..	A. E. Rowell.
Edisto ‡‡	Bamberg	113	26		...		...				0.77	2.33	0.50	0	3	..	..	..	..	Nathan Jenkins.
Effingham	Florence	106	21	.	...	.	..	.	.	..	0.87	2.61	0.50	0	2	....	....	....	.....	H. B. McCall.
Ferguson	Orangeburg	63	28	71.8	- 0.7	97	29	50	2	39	2.72	- 1.43	2.30	0	2	..	..	..	..	Joseph P. Simons.
Florence	Florence	136	25	72.3	+ 0.3	100	29	42	3	40	1.70	- 1.92	1.40	0	2	....	....	....	.....	H. K. Gilbert.
Georgetown	Georgetown	12	19	72.4	+ 0.2	95	23	49	10	41	1.80	1.13	1.65	0	2	15	15	1	ne.	A. P. Hazard.
Kingstree	Williamsburg	54	25	72.1	0.1	98	29	47	10	39	1.10	- 2.24	0.90	0	3	....	....	....	....	A. O. Matthews.
Pinopolis **	Berkeley	51	20	71.3	+ 1.5	90	29	54	10	29	2.39	- 1.35	1.63	0	4	20	0	11	sw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	4	..	.	.	..	.	.	.	0.35	...	0.25	0	2	....	....	....	.....	William B. Wolfe.
St. George	Dorchester	109	25	73.2	+ 0.2	100	29	46	10	39	0.75	2.61	0.50	0	3	..	..	..	..	Geo. N. Snelling, M. D.
St. Matthews	Calhoun	269	25	73.0	1.0	98	28†	43	3	37	0.55	-- 3.15	0.55	0	1	..	..	..	..	J. S. Wannamaker.
Smiths Mills	Georgetown	62	18		..		..		..	.	0.30	- 3.83	0.14	0	4	..	..	..	..	W. G. Walker.
Society Hill	Darlington	192	22	72.3	+ 1.3	101	27	44	18	41	1.05	- 2.27	0.50	0	4	20	11	0	w.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	16	72.2	0.2	98	29	47	10	36	1.66	- 1.44	0.81	0	5	9	21	1	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	11	73.4^b	- 0.9	99^b	29	47	10	58	0.88	- 3.03	0.33	0	5	10	14	7	.....	J. A. Westerberg.
Yamassee	Hampton	24	18	72.4	-- 0.7	99	29	45	10	40	0.52	2.90	0.32	0	3	..	..	..	..	J. G. Hutson.
Division means and extremes		..	.	72.5	+ 0.6	105	29	42	3	45	1.14	- 2.33	2.30	0	3	17	10	4	sw.	
Western Portion.																				
Aiken	Aiken	527	19	70.9	1.6	99	28	49	9†	37	0.59	- 2.92	0.47	0	2	15	16	0	sw.	W. M. Brown.
Anderson	Anderson	764	12	72.0	2.2	101	28	49	10	38	0.62	3.24	0.40	0	3	25	0	6	w.	H. H. Russell.
Batesburg	Lexington	656	25	72.0	+ 0.5	97	29	50	9	37	0.22	- 3.31	0.19	0	2	..	..	..	..	E. J. Hite.
Blairs	Fairfield	233	8		..	.	.			..	0.15	...	0.15	0	1	..	..	..	..	J. N. Owens.
Calhoun Falls	Abbeville	508	21		.		..		..	..	0.92	- 2.41	0.12	0	4	.		.	.....	L. M. Parker.
Camden	Kershaw	222	47	72.0	0.8	98	28	43	21	49	0.91	2.25	0.48	0	3	23	7	1	ne.	W. C. Brown.
Catawba	York	562	8		.	.			..	.	0.38	..	0.16	0	3	..	..	..	..	James C. Faris.
Chappells	Newberry	402	9		..			.		..	0.25	..	0.14	0	2	..	..	..	..	J. J. Murran.
Clemson College	Oconee	850	22	69.5	0.4	92	28	46	10	34	0.33	3.22	0.20	0	3	18	12	1	se.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	27	73.2	+ 1.4	99	28	52	1	33	0.55	- 2.64	0.27	0	5	18	11	2	sw.	U. S. Weather Bureau.
Edgefield	Edgefield	.		..						..	0.00	....	0	0	0		..	..	.....	T. L. Timmerman.
Gaston Shoals ‡‡	Cherokee	680	1								0.91	...	0.36	0	6		..	..	....	Harry A. Parshall.
Greenville	Greenville	989	21	69.8	+ 2.5	96	28	47	2	40	1.36	3.07	0.74	0	3	.	.	..	sw.	Spartan Goodlette.
Greenwood	Greenwood	671	25	72.0	+ 0.6	99	28	48	16	36	0.29	- 3.45	0.18	0	2	.	...	.	.....	M. M. Calhoun.
Heath Springs	Lancaster	568	12	68.6	- 2.3	97	28	44	2	34	0.89	- 2.50	0.51	0	3	19	6	6	w.	J. Marvin Bowers.
Liberty	Pickens	900	19	71.6	1.3	100	28	44	10	42	0.90	- 3.41	0.68	0	3	22	5	4	e.	John T. Boggs.
Little Mountain	Newberry	711	20	73.8	1.7	100	28	50	1	43	0.82	- 2.14	0.75	0	2	27	0	4	w.	J. M. Sease, M. D.
Meriwether	Edgefield	.	10	72.8	+ 2.2	102	29	43	10	42	0.10	- 2.59	0.10	0	1	.	.	..	..	William S. Middleton.
Monetta	Saluda	400	7	72.6	.	97	24†	48	10	37	0.37	....	0.18	0	3	22	6	3	s.	Joseph M. Johnson.
Newberry	Newberry	502	26	72.2	- 0.8	100	28	46	10	40	0.17	3.60	0.15	0	3	14	16	1	e.	Warren G. Petterson.
Pelzer	Anderson	850	10		.		.	.	.		0.58	......	0.20	0	3	..	..	..	..	Joshua Y. Jones.
Saluda	Saluda	536	11	72.2	0.7	101	28	42	10	48	0.35	- 2.37	0.25	0	2	..	..	..	.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	19	72.4	+ 1.7	105	28	46	2	42	0.47	- 2.61	0.38	0	3	16	14	1	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	22	70.9	- 0.8	101	28†	46	3†	[illegible]	0.65	- 3.53	0.20	0	5	...	..	..	....	F. P. Robinson.
Trenton	Edgefield	620	20	70.6	- 1.9	101	29	51	8	41	T.	2.99	T.	0	0	14	16	1	s.	C. A. Long.
Winnsboro	Fairfield	545	24	72.5	1.3	98	28	58	1	38	0.63	2.60	0.55	0	2	28	3	0	se.	J. W. Seigler.
Winthrop College ‡‡	York	690	13	71.2	1.4	99	28	45	2	38	1.06	3.32	0.47	0	3	10	21	0	sw.	W. P. Goodman.
Division means and extremes		.		71.6	+ 0.7	105	28	42	10	49	0.54	2.88	0.75	0	3	19	10	2	sw.	
State means and extremes		...		72.1	0.6	105	28†	42	3†	49	0.83	- 2.54	2.30	0	3	18	10	3	sw.	

The departures from the normal temperature and precipitation are computed for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature readings are computed from observed readings of the dry bulb: means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T Precipitation is less than 0.01 inch rain or melted snow.

Daily Precipitation for May, 1914.

Stations.		Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ‖	Savannah								.47							.20				.03								.45			.03		1.18
Beaufort	Coast							.12							1.43																		1.55
Blackville ‖	Edisto															T												.19					0.19
Bowman	do							.30							.45				.07											T.		.51	1.81
Charleston ***	Coast	T.				T.		.07	.18						.50	T.			.02											T.		.05	0.82
Cheraw ‖	Pedee					.01			.21							.30															.04	.11	0.67
Conway ‖	Waccamaw								.31							1.13															T.		1.44
Darlington	Pedee								.23							.18															1.45		1.73
Dillon	Little Pedee					T.		.26	.04							T											T.			.07	.11		0.48
Edisto	Edisto								.50							.15				.12													0.77
Effingham	Lynches								.37																						.50		0.87
Ferguson	Santee								2.30							.42																	2.72
Florence ‖	Pedee					T.			.30							T.															1.40		1.70
Georgetown	Coast							T	.15						1.65														T.		T.		1.80
Kingstree ‖	Black								.90							.11												.09					1.10
Pinopolis	Cooper							.30							1.63												.45					.01	2.39
Rimini	Santee								.10							.25																	0.35
St. George ‖	Edisto								.50							.05												.20					0.75
St. Matthews	Santee															.55																	0.55
Smiths Mills	Pedee					T.		.04	.11							.08															.04		0.30
Society Hill ‖	do							.20							.50														.10	.25			1.05
Summerville	Ashley		T.						.17						.81	.61			.03								.04				T.	T.	1.66
Walterboro	Ashepoo							.33							.31	.07			.12								.05		T		T.	T.	0.88
Yemassee	Combahee					T.		T.	.32	.18						.02				T.	T						T.						0.52
Western Portion.																																	
Aiken	Edisto					.12																										.47	0.59
Anderson	Savannah					.10	.40								.12																		0.62
Batesburg	Edisto					T.			.03							.19																	0.22
Blairs	Broad															.15																	0.15
Calhoun Falls	Savannah					.40			.10							T.															.42		0.92
Camden	Wateree								.48						.38																.10		0.91
Catawba	Catawba							.12	.10							.16																	0.38
Chappells ‖	Saluda															.11	.14																0.25
Clemson College	Savannah					.20	T.	.10																						.03			0.33
Columbia ***	Congaree				.02			.27						.01	T.	.16																.09	0.55
Edgefield	Savannah																																0.00
Gaston Shoals ‖	Broad					.04	.21		.09						.02	.36															.22	T.	0.94
Greenville ‖	Saluda					.34	.28								T.																.74		1.36
Greenwood ‖	do					.18			.11																								0.29
Heath Springs	Wateree							.20								.54														.15			0.89
Liberty	Savannah				.02	.68		T							T.															.20			0.90
Little Mountain	Saluda							.07																								.75	0.82
Meriwether	Savannah				T.			.10																									0.10
Monetta	Edisto					T.		.18							.14												.05						0.37
Newberry	Saluda				.01			.15							T.	.01																	0.17
Pelzer	do					T.			.20						.20															.18			0.58
Saluda	do							.10								.25																	0.35
Santuck	Broad				T.	.07		.38							T	T.														.02			0.47
Spartanburg	do				T.	T.	.20		.20						.12	.06															.07		0.65
Trenton	Edisto							T.							T.																		T.
Winnsboro	Broad							.55																						T.		.08	0.63
Winthrop College	Catawba						T.	.47								.46													.19				1.16

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. * Precipitation included in the next following measurement
* * * Regular Weather Bureau station; precipitation is for the 24 hour period, midnight to midnight.
‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

Daily Temperatures for May, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Eastern Portion.																																	
Allendale §§	Maximum...	72	81	81	85	90	94	95	83	77	85	94	95	96	90	79	82	82	79	81	84	90	95	97	98	91	81	91	96	101	97	98	88.4
	Minimum....	61	51	52	62	67	67	64	62	54	49	59	63	64	68	59	52	54	61	52	56	53	61	61	68	56	60	61	67	68	72	71	60.5
Beaufort	Maximum...	68	74	....	77	85	90	87	85	85	88	85	82	83	83	70	76	78	78	76	77	....	83	88	..	85	.	.....	91	.....	90		81.8g
	Minimum....	54	58	....	55	69	69	67	62	63	66	66	65	62	63	61	58	64	61	59	58	....	67	65	....	62	....		61	.....	60	.	62.3g
Blackville §§	Maximum...	75	85	85	86	90	98	98	98	87	87	96	99	99	95	83	86	85	82	86	90	93	97	101	104	98	86	94	100	105	104	102	92.7
	Minimum....	57	49	50	58	63	63	63	60	51	45	57	60	61	66	57	51	50	56	51	52	52	59	60	64	54	59	65	65	62	68	67	57.9
Bowman	Maximum...	87	88	87	90	91	92	91	83	84	85	90	91	92	91	77	78	80	78	81	83	89	92	94	95	95	94	90	95	98	90	91	88.5
	Minimum....	55	50	48	59	59	60	61	60	50	45	54	61	62	63	50	50	51	54	54	53	56	56	59	61	59	63	64	65	65	68	65	57.5
Charleston	Maximum...	72	70	73	75	79	91	81	83	75	75	84	86	82	84	71	75	73	73	74	75	84	89	88	86	78	79	82	87	94	86	82	79.8
	Minimum....	61	58	61	68	70	67	67	62	55	57	63	68	69	67	63	63	62	64	61	61	60	62	66	69	68	70	72	69	72	74	72	65.2
Cheraw §§	Maximum...	73	79	82	80	86	88	90	82	72	83	91	94	93	76	75	81	82	83	83	85	92	95	95	94	93	92	94	100	98	91	89	86.8
	Minimum....	49	46	46	57	66	60	58	59	46	45	53	62	61	66	56	46	47	51	44	44	47	53	56	60	66	62	68	70	72	70	72	56.7
Conway §§	Maximum...	71	75	78	80	85	90	89	82	72	81	89	91	91	84	75	78	77	72	78	81	88	92	92	92	89	87	91	94	93	87	86	84.3
	Minimum....	54	47	47	54	66	61	59	61	52	49	55	64	65	67	58	56	51	56	52	49	52	54	62	62	59	59	65	66	67	72	65	58.3
Darlington §§	Maximum...	74	78	80	80	87	91	90	85	75	84	91	94	94	85	77	82	82	.	84	85	91	96	95	97	94	93	96	100	98	88	89	87.8a
	Minimum....	49	45	45	59	64	62	58	60	49	45	55	61	60	65	55	46	49	49	44	45	52	55	57	61	55	57	66	67	69	67	67	56.1
Dillon	Maximum...	74	77	81	79	86	89	90	81	71	81	82	93	92	81	76	80	80	77	81	83	90	93	94	94	93	92	94	98	96	88	89	85.9
	Minimum....	52	47	46	62	65	62	58	60	49	46	59	63	64	66	59	48	53	55	49	49	51	55	58	56	57	59	68	68	69	68	66	57.6
Ferguson §§	Maximum...	71	77	84	85	69	90	90	82	81	80	87	89	89	85	74	77	90	75	79	81	85	90	93	92	90	86	91	95	97	....	89	84.8
	Minimum....	60	50	66	60	60	61	61	61	54	54	54	55	63	64	61	54	55	58	53	53	51	52	54	61	58	58	62	66	65	70	70	58.8
Florence §§	Maximum...	69	78	81	77	87	90	90	85	82	84	90	92	92	85	78	80	83	78	82	85	92	93	97	96	94	92	94	98	100	90	88	87.2
	Minimum....	53	48	42	60	61	62	61	60	50	49	50	60	58	62	58	50	49	53	50	51	54	59	62	65	58	61	62	68	69	68	67	57.4
Georgetown	Maximum...	82	75	80	78	82	92	85	85	82	82	82	85	90	85	76	76	80	70	80	82	88	92	95	90	88	88	88	93	95	88	88	84.8
	Minimum....	56	63	56	63	66	65	66	61	52	49	62	65	64	65	60	50	56	56	56	52	56	61	54	56	60	60	66	72	74	62	64	59.9
Kingstree §§	Maximum...	72	78	80	80	88	90	81	83	83	81	90	91	92	86	77	80	80	75	81	83	87	93	94	94	91	88	93	96	98	93	93	86.2
	Minimum....	51	50	49	59	62	62	60	60	51	47	56	65	63	67	60	52	55	56	52	50	51	54	61	62	60	58	63	66	60	71	65	58.0
St. George §§	Maximum...	73	80	80	80	89	94	93	83	77	85	91	94	94	93	78	81	83	78	83	85	88	94	96	95	94	89	92	99	100	93	93	88.0
	Minimum....	54	50	49	60	65	62	62	61	52	46	54	62	62	66	60	54	52	59	50	52	49	55	60	62	56	62	65	66	65	69	66	58.3
St. Matthews §§	Maximum...	74	82	80	79	88	95	92	85	77	84	93	95	95	89	75	79	80	77	80	82	90	95	98	95	91	88	94	98	98	93	93	87.5
	Minimum....	55	49	43	60	66	62	61	61	50	47	58	62	62	67	57	52	53	56	51	53	54	60	62	66	55	60	62	65	70	67	67	58.5
Society Hill §§	Maximum...	80	82	80	79	95	90	83	76	87	95	57	95	86	76	81	81	82	83	84	94	97	97	93	94	93	96	101	98	90	91	91	88.4
	Minimum....	45	46	59	65	59	55	57	49	45	54	61	60	65	54	47	48	49	44	46	52	57	56	61	54	50	65	67	67	65	66	68	56.2
Summerville	Maximum...	79	80	77	79	86	91	89	83	76	83	89	90	91	88	72	80	77	75	79	80	84	89	92	90	89	87	90	94	98	90	91	85.1
	Minimum....	60	51	51	60	65	62	64	60	50	47	55	63	63	65	60	56	55	61	56	54	54	56	59	63	58	63	65	63	68	68	66	59.4
Walterboro	Maximum...	82	80	78	81	89	95	92	85	78	85	91	93	93	92	75	80	80	77	81	...	87	92	[illegible]	..	92	78	91	97	99	92	93	87.2b
	Minimum....	62	51	50	59	68	66	59	61	53	47	54	64	63	66	61	55	52	61	57	..	52	57	57	.	57	63	65	64	67	70	67	59.5b
Yamassee §§	Maximum...	68	79	80	80	89	92	92	83	78	82	89	90	92	91	78	80	82	78	80	82	86	96	91	89	90	86	90	98	99	93	93	89.1
	Minimum....	61	49	48	53	58	62	60	59	52	45	50	62	60	62	61	53	46	55	56	50	47	52	50	57	51	52	61	58	62	66	60	55.8
Western Portion.																																	
Aiken	Maximum...	84	81	79	79	86	92	91	80	76	83	92	93	93	89	80	80	80	79	80	85	87	93	97	97	91	87	93	92	98	96	98	84.5
	Minimum....	54	52	54	60	65	62	65	59	49	49	57	61	61	66	57	55	55	57	54	53	55	58	58	66	60	60	67	64	67	66	66	57.3
Anderson	Maximum...	83	84	77	77	83	86	92	74	78	75	74	93	91	87	87	84	76	85	85	83	90	94	90	98	95	95	97	101	97	91	92	84.5
	Minimum....	50	50	53	55	64	61	62	58	50	49	60	64	65	60	55	55	56	50	57	54	63	55	62	68	61	59	62	69	65	69	68	59.1
Batesburg §§	Maximum...	75	78	86	77	82	88	88	77	73	81	92	92	92	89	85	79	78	78	79	81	85	92	94	96	91	87	92	99	97	91	94	85.7
	Minimum....	53	53	56	60	64	63	63	58	50	54	55	60	62	61	55	53	54	55	52	51	55	60	61	63	60	57	61	62	67	68	69	58.4
Camden §§	Maximum...	82	77	78	79	87	91	88	80	73	83	90	93	92	79	75	78	79	79	80	82	88	94	97	96	91	90	96	98	71	[illegible]	78	85.0
	Minimum....	58	50	52	56	70	70	70	67	53	55	69	67	65	67	58	55	56	55	52	48	43	45	52	55	55	57	63	66	66	66	68	59.1
Clemson College	Maximum...	82	75	75	73	76	85	81	75	72	78	85	86	86	84	82	75	74	75	76	78	82	84	86	88	88	87	88	92	91	81	87	81.7
	Minimum.	53	48	50	62	66	65	57	57	54	46	55	64	59	63	59	51	53	59	53	47	48	52	50	63	59	55	68	63	63	70	63	57.4
Columbia	Maximum...	72	80	78	77	85	88	88	78	73	83	90	92	92	85	74	78	78	77	79	81	86	92	95	96	90	86	92	99	96	90	92	85.2
	Minimum....	52	53	55	63	65	64	63	62	53	52	59	65	65	67	58	56	56	57	55	55	56	61	62	69	63	63	68	66	70	65	69	61.1
Greenville §§	Maximum...	74	79	76	73	78	86	80	75	75	81	88	87	88	85	82	76	77	78	81	85	85	90	92	91	89	93	92	98	95	88	89	84.0
	Minimum....	49	47	48	55	60	55	58	55	48	50	54	61	57	62	56	49	53	54	51	48	[illegible]	51	51	64	59	55	61	65	65	66	66	55.5
Greenwood §§	Maximum...	73	79	79	79	80	96	88	76	77	83	91	92	92	87	78	80	80	80	83	85	87	93	94	96	90	96	94	99	97	89	95	86.5
	Minimum...	51	48	50	56	64	62	60	58	50	50	56	62	64	66	57	48	50	54	48	49	50	57	61	61	57	50	60	6	69	68	69	57.5
Heath Springs	Maximum...	67	78	74	75	79	86	85	76	76	77	88	86	80	79	71	74	75	76	77	79	87	92	92	92	88	89	92	97	93	83	85	82.2
	Minimum....	46	44	46	47	47	60	58	56	50	48	54	52	56	51	51	53	57	50	46	50	50	64	61	61	50	61	67	68	67	65	67	55.0
Liberty	Maximum...	75	80	78	73	79	87	86	73	76	86	94	92	92	88	80	82	74	79	81	80	90	95	95	97	94	[illegible]	98	100	97	89	88	86.3
	Minimum	50	55	47	63	65	57	55	55	50	44	55	62	61	63	50	56	55	58	51	46	46	.	50	46	59	58	61	65	64	67	66	56.9a
Little Mountain	Maximum...	80	80	80	75	85	90	89	79	74	82	91	93	93	86	77	81	80	81	82	84	88	94	96	97	92	91	90	100	98	91	96	87.2
	Minimum....	50	51	52	63	6	65	64	60	51	54	58	..	63	65	58	52	55	55	[illegible]	57	54	62	62	66	65	68	68	69	72	69	68	60.5
Meriwether	Maximum...	81	83	83	87	88	92	92	78	78	81	95	95	95	91	81	81	85	82	82	81	89	95	96	100	92	96	98	100	102	96	99	89.2
	Minimum	53	49	51	51	65	73	62	50	50	43	53	60	60	58	53	52	49	53	51	51	[illegible]	53	55	57	60	54	67	61	67	71	70	56.3
Monetta	Maximum..	85	79	80	79	85	90	89	77	74	82	91	90	92	87	77	78	79	77	79	82	86	92	94	97	9	88	93	97	96	90	95	86.4
	Minimum...	52	52	52	62	65	64	64	61	51	48	56	61	61	67	57	53	51	56	53	52	50	59	58	63	57	59	68	66	64	68	68	58.8
Newberry	Maximum...	73	79	82	76	85	92	88	79	75	84	95	95	91	87	79	80	80	79	81	83	85	94	90	95	92	91	97	100	98	91	96	87.0
	Minimum....	51	49	50	65	65	61	61	61	51	46	55	61	60	67	58	49	51	55	51	47	50	54	50	61	58	53	67	64	67	69	68	57.5
Saluda	Maximum...	79	81	79	78	88	92	91	80	77	85	95	95	95	87	77	80	86	86	81	83	86	95	96	97	92	88	88	101	101	92	97	87.6
	Minimum	52	45	47	65	65	56	56	60	51	42	51	61	59	64	57	65	52	52	45	45	45	47	52	69	78	62	75	63	75	58	66	56.7
Santuck	Maximum...	80	80	80	76	85	90	88	77	73	81	97	96	96	91	79	81	78	80	81	84	91	94	96	95	91	95	98	105	100	92	99	88.3
	Minimum....	49	46	47	62	65	60	58	58	48	47	56	54	61	65	58	49	53	51	48	48	51	55	59	64	51	54	67	66	60	66	66	56.4
Spartanburg §§	Maximum..	72	79	80	74	80	87	85	76	71	84	93	93	92	83	78	79	80	80	82	85	91	94	94	95	92	95	96	101	101	92	97	85.8
	Minimum....	48	47	46	57	62	58	59	57	54	[illegible]	51	58	58	66	56	50	52	55	48	47	47	53	58	65	62	50	60	68	67	68	66	56.0
Trenton	Maximum...	75	85	80	78	87	90	88	85	71	83	91	92	92	89	78	82	82	80	83	84	87	92	83	97	93	88	94	99	101	95	97	87.4
	Minimum....	53	55	52	55	56	54	54	51	51	51	59	51	67	60	58	53	55	56	55	57	55	56	57	[illegible]	59	50	57	61	64	68	70	56.9
Winnsboro	Maximum...	78	75	80	80	80	82	80	75	70	82	88	92	93	80	72	76	76	77	73	88	90	93	92	96	88	88	94	98	94	88	90	86.9
	Minimum...	48	49	60	61	62	64	63	53	50	51	58	65	64	54	56	56	56	54	51	54	53	55	62	67	62	61	68	68	70	69	68	58.1
Winthrop College	Maximum...	85	74	75	75	85	85	84	75	78	[illegible]	87	90	92	89	82	72	75	76	80	85	90	89	89	93	92	90	98	99	93	62	87	85.2
	Minimum..	47	45	48	62	62	60	60	58	47	48	58	65	61	61	51	48	52	51	46	49	52	60	62	66	60	58	60	68	68	67	69	57.2

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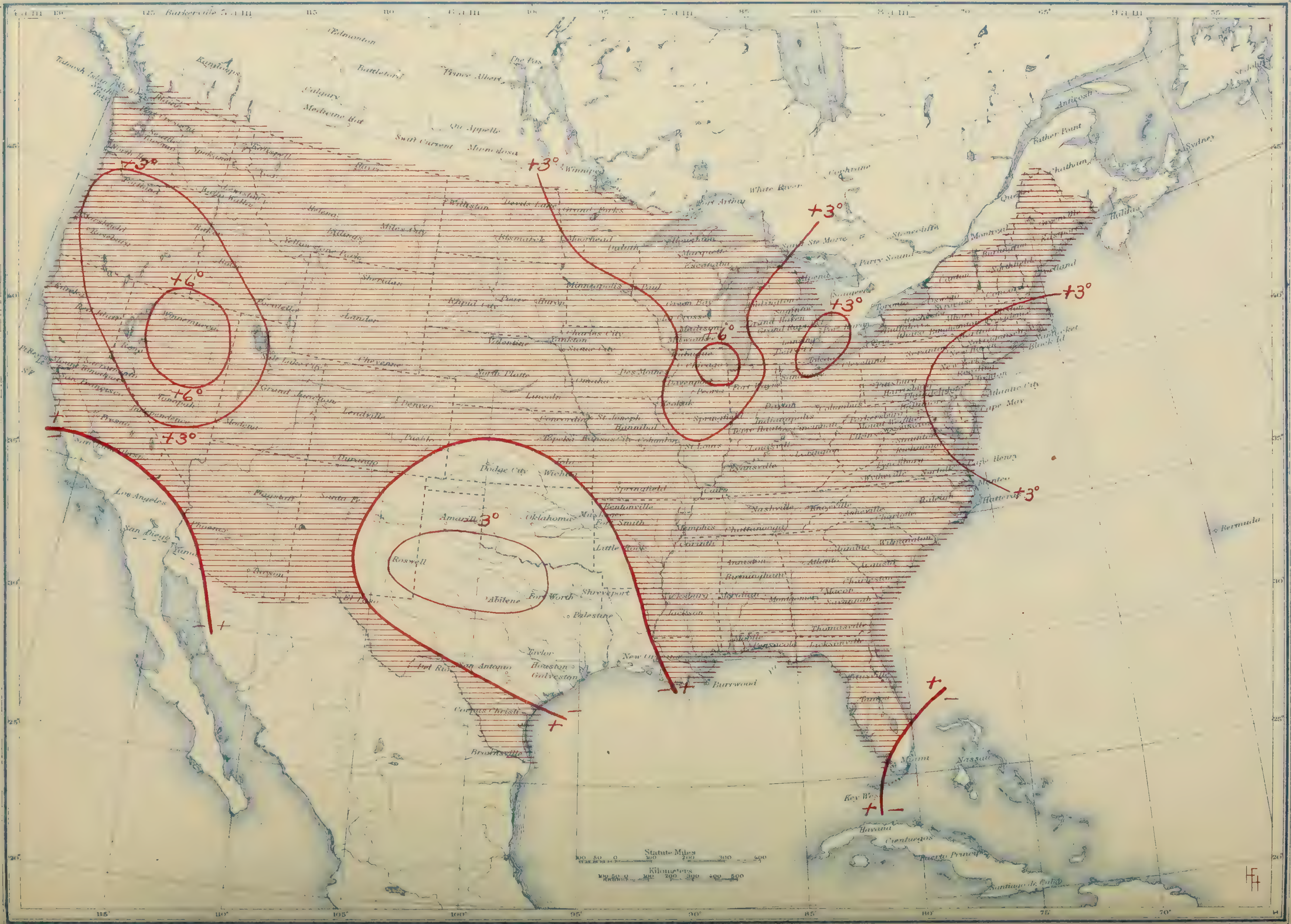
a, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs.

Departure of the Mean Temperature from the Normal, May, 1914.



MISCELLANEOUS PHENOMENA.

(Continued from page 35.)

Hail (dates). Ferguson, 7th; Georgetown, 7th, 14th; Pinopolis, 7th.

Halos (dates).--Lunar: Charleston, 4th, 6th 7th; Solar: Santuck, 17th.

Thunderstorms (dates).—Blackville, 31st; Bowman, 7th, 14th, 18th, 26th, 31st; Charleston, 7th, 8th, 14th, 29th, 31st; Cheraw, 7th, 29th, 31st; Columbia, 7th, 13th, 14th, 15th, 31st; Greenville, 13th, 29th; Liberty, 5th, 29th; Newberry, 7th, 14th, 15th; Santuck, 7th, 14th, 29th; Summerville, 7th, 14th, 31st; Trenton, 13th, 14th.

COMPARATIVE DATA FOR MAY.

Year.	Temperature.			Precipitation.		Average number of days—			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Pt. Cldy.	Cloudy.	
1887	72.5	97	41	3.17	10	......	......	......	......
1888	70.2	99	33	7.51	11	......	......	......	......
1889	71.7	101	35	1.97	5	......	......	......	nw.
1890	71.0	95	30	5.44	10	......	......	......	sw.
1891	69.0	100	36	3.57	......	......	......	......	ne.
1892	71.1	94	39	3.53	......	......	......	......	......
1893	70.2	97	38	4.13	9	13	9	9	sw.
1894	70.7	98	38	3.43	9	10	16	5	sw.
1895	69.0	101	34	4.36	9	11	12	8	sw.
1896	76.7	104	42	2.74	8	14	13	4	sw.
1897	69.3	97	38	2.39	6	18	8	5	sw.
1898	73.8	106	39	1.35	5	18	10	3	sw.
1899	73.7	100	45	1.68	5	15	10	6	sw.
1900	70.2	96	38	2.37	5	19	7	5	sw.
1901	71.4	99	40	7.31	11	13	10	8	sw.
1902	74.0	101	42	2.69	8	15	10	6	sw.
1903	70.7	104	44	2.69	9	12	9	10	ne.
1904	70.6	99	38	2.04	7	18	8	5	s.
1905	73.4	99	42	5.70	13	12	9	10	sw.
1906	70.7	99	30	3.00	7	17	6	8	sw.
1907	70.8	96	41	4.51	10	11	12	8	sw.
1908	71.8	96	36	2.92	7	16	11	4	sw.
1909	69.5	100	35	4.26	8	14	12	5	sw.
1910	69.8	99	40	4.03	8	15	10	6	sw.
1911	72.6	106	35	0.65	3	20	8	3	ne.
1912	72.4	101	43	4.08	9	16	6	9	sw.
1913	71.7	101	38	2.13	6	19	6	6	sw.
1914	72.1	105	42	0.83	3	18	10	3	sw.
Averages	71.5	105[a]	30[a]	3.37	8	15	10	6	sw.

MISCELLANEOUS DATA FOR MAY, 1914.

Stations.	Barometer—sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Sunshine—total hours.	Relative humidity—per cent.	Wind.	
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.			Average hourly velocity—miles.	Prevailing direction.
Asheville, N. C	30.14	63.4	91	39	0.71	0.37	357.5	60	7.1	nw.
Augusta, Ga	30.13	73.6	99	50	0.06	0.03	356.0	54	6.9	nw.
Charleston, S. C	30.13	72.5	94	55	0.82	0.50	349.5	72	11.7	ne.
Charlotte, N. C	30.13	70.6	95	47	0.49	0.34	381.9	54	6.7	sw.
Columbia, S. C	30.14	73.2	99	52	0.55	0.27	322.4	55	7.4	sw.
Savannah, Ga	30.13	73.3	94	55	0.89	0.40	311.6	76	13.1	w.
Wilmington, N. C	30.13	70.4	91	49	0.10	0.07	358.6	66	8.7	sw.
Averages	30.13	71.0	99[a]	39[a]	0.52	0.50[b]	348.2	62	8.8	sw.

[a] Extremes. [b] Greatest.

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OF THE
UNIVERSITY OF ILLINOIS
15 AUG 1914

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

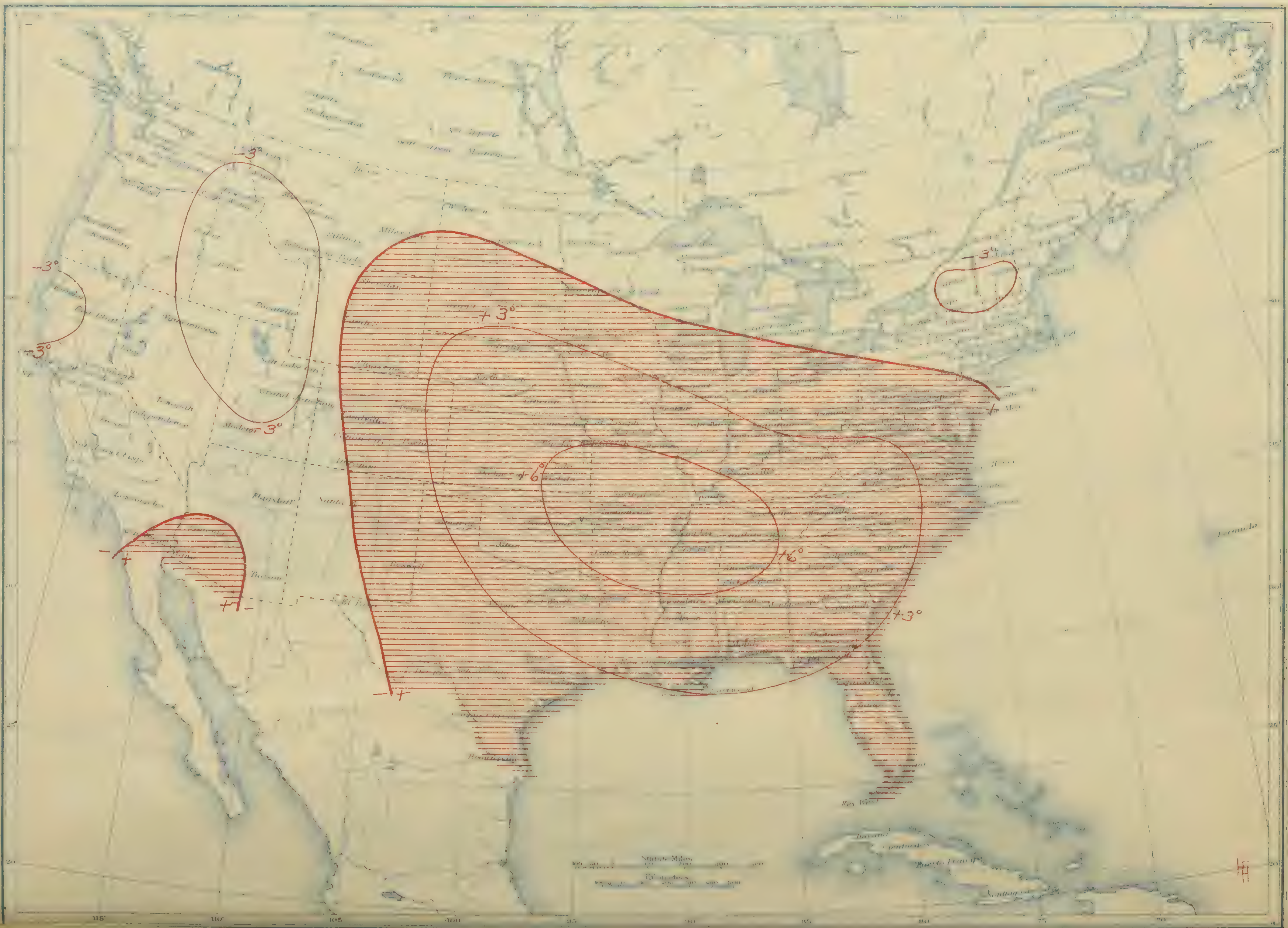
SOUTH CAROLINA SECTION

JUNE, 1914

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

RALEIGH, N. C.
WEATHER BUREAU OFFICE
August 6, 1914.

Departure of the Mean Temperature from the Normal, June, 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

Vol. XVII. Columbia, S. C., June, 1914. No. 6

GENERAL SUMMARY.

The month was the warmest June of record. Excepting a moderate cool period from the 16th to the 19th, the daily mean temperatures ranged uniformly above the average, culminating in record-breaking heat on the 24th and 25th, when readings of 100 to 108 degrees were recorded generally throughout the Section. As a whole, the frequent showers that occurred up to the last decade were decidedly beneficial to agricultural interests. The larger portion of late cotton had germinated and come to good stands by the middle of the month, and corn, tobacco, truch gardens and pastures showed material improvement. However, the succeeding hot weather seriously affected vegetation in the northwestern and extreme eastern counties, where the precipitation has continued much below the seasonal average. Refreshing showers again occurred over much of the Section from the 26th to the 29th. The month closed with ample moisture in the middle coastal plain, but precipitation is needed in the greater parts of the northern and western counties.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.02 inches. The highest pressure in the district covered was 30.30 inches at Asheville, N. C., on the 7th; lowest, 29.82 inches at Augusta, Ga., on the 15th. The range of pressure in the Section proper was from 30.25 inches at Columbia on the 9th down to 29.83 inches at Charleston on the 15th, on which date all stations reported lowest pressure.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 40 stations, was 81.1 degrees, or 0.2 degree above the previous highest June averages in 1890 and 1911. The highest temperature was 108 degrees at Blackville, Barnwell Co., on the 25th, or 1 degree above the previous highest June record in 1887. The warmest period of the month was on the 24th and 25th, when, with but few exceptions, the temperature ranged above 100 degrees. The lowest temperature was 50 degrees at Trenton, Edgefield Co., on the 18th. The coolest period of the month was from the 16th to the 19th.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 79 per cent.; 8 p. m., 69 per cent. As in May, the highest average percentages occurred in the southern coast districts, and the lowest, along the lower Piedmont from central Georgia to middle North Carolina.

PRECIPITATION.

The average for the Section, 51 stations reporting, was 3.80 inches, or 1.25 inches below the established normal. Rain fell in some part of the Section every day from the 1st to 19th, inclusive, but showers were most numerous on the 1st, 5th to 7th and 13th to 19th; during the latter part of the month rains were quite general over the eastern portion on the 26th and over the western portion between the 25th and 28th. The heaviest rainfall occurred in a broad belt from Fairfield, Richland, Clarendon and Williamson counties southward to the coast, where the amounts ranged from 4 to over 7 inches. In Horry County and in the region from Saluda County northwestward over Oconee, Pickens and Greenville counties, the amounts were less than 2 inches. The greatest amount locally was 7.67 inches at Ferguson, Orangeburg Co.; least, 0.26 inch at Clemson College, Oconee Co. Greatest 24-hour amount locally, 3.30 inches at Bowman, Orangeburg Co., on the 14th. The average number of rainy days was somewhat below normal.

WIND.

The prevailing winds were from the southwest. The average hourly velocity, determined from 7 anemometer records, was 7.4 miles. The highest average velocity in the district covered by reports was 10.0 miles per hour at Savannah, Ga., lowest, 5.7 miles per hour at Asheville, N. C. In the Section proper the averages ranged from 9.9 miles per hour at Charleston down to 6.7 miles per hour at Columbia. The highest velocity for any 5-minute period was 58 miles per hour from the northeast at Charleston; lowest maximum, 24 miles per hour from the southwest at Wilmington, N. C.; maximum velocity at Columbia, 48 miles per hour from the north on the 28th.

SUNSHINE AND CLOUDINESS.

The total hours of sunshine, determined from 7 automatic records, was 295.5, or 68 per cent. of the possible amount. The average number of clear days was 14; partly cloudy, 12; cloudy, 4, as against normals of 12, 11 and 7 days, respectively.

RIVER CONDITIONS.

The rivers of the Section continued uniformly low as a result of light or only locally heavy precipitation on well cultivated land in the several watersheds. In consequence of the closing of the new dam of the Parr Shoals Power Co., Parr, S. C., there has been an apparent permanent increase of 2.4 feet in the stage of the Broad River at Blairs, S. C., the water backing to near Lylesford Shoals, 15 miles up the river.

MISCELLANEOUS PHENOMENA.

Earthquake (*Date*).—Summerville, 19, 3:13 a. m.

Fog (*Dates*).—Light: Beaufort, 4. Dense: Liberty, 19.

Hail (*Dates*).—Aiken, Columbia and Newberry, 28; Little Mountain, 14.

Halos (*Dates*).—Lunar: Columbia and Greenville, 4. Solar: Charleston, 30.

(*Continued on page 48.*)

Climatological Data for June, 1914.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on. (0.01 in. or more)	Clear.	Part cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	25	82.6	+ 3.3	105	24†	61	19	32	4.46	- 0.97	1.00	0	9					S. B. Rouse.
Beaufort	Beaufort	21	27	80.6^{c}	+ 1.2	99	24	65	19	22	4.95	- 0.08	1.60	0	8				se.	Miss Lillian H. Rice.
Blackville	Barnwell	296	25	83.4	+ 3.8	108	25	60	19	35	3.81	- 1.87	1.48	0	7					Mrs. D. B. Sanders.
Bowman	Orangeburg	160	11	81.0	+ 3.3	104	24†	60	18	32	6.76	- 1.11	3.30	0	9	21	6	3	sw.	B. O. Evans.
Charleston	Charleston	48	43	80.6	+ 2.1	101	24	66	19	26	4.33	- 1.06	1.68	0	12	15	8	7	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	24	80.3	+ 3.1	103	24	57	18	30	4.17	- 1.22	1.50	0	8					J. H. Powe.
Conway	Horry	25	28	79.8	+ 2.5	103	24	60	3	30	1.82	- 3.41	0.48	0	8				sw.	Paul Quattlebaum.
Darlington	Darlington	175	18	79.3	+ 2.5	103	24†	56	17†	32	3.20	- 3.46	0.91	0	7	15	7	8		D. C. McCall.
Dillon	Dillon	100	10	79.9	+ 2.6	102	23†	58	17	32	4.33	- 1.95	2.64	0	7					A. E. Rowell.
Edisto ‡‡	Bamberg	143	26								6.09	+ 0.39	1.40	0	8					Nathan Jenkins.
Effingham	Florence	106	21								2.66	- 3.86	1.25	0	5					H. B. McCall.
Ferguson	Orangeburg	63	28	80.5	+ 3.6	100	24	62	17†	31	7.67	+ 1.89	2.70	0	8	13	5	12	w.	Joseph P. Simons.
Florence	Florence	136	25	80.5	+ 2.1	104	24	56	19	30	3.88	- 1.58	1.00	0	7					H. K. Gilbert.
Georgetown	Georgetown	12	19	81.8	+ 3.4	102	24	62	4†	29	4.68	- 1.12	1.45	0	7	6	20	4	e.	A. P. Hazard.
Kingstree	Williamsburg	54	25	80.8	+ 2.7	103	25	56	2	35	4.56	- 0.97	1.20	0	8					A. O. Matthews.
Pinopolis **	Berkeley	54	20	79.3	+ 2.9	96	24†	67	17		7.31	+ 1.44	2.25	0	8	17	7	6	sw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	4								4.64		2.33	0	6					William B. Wolfe.
St. George	Dorchester	109	25	81.8^{d}	+ 3.3	105	24†	60	2	36	4.30	- 1.17	1.40	0	10					Geo. N. Snelling, M. D.
St. Matthews	Calhoun	269	25	81.0	+ 3.3	106	24†	60	19	31	5.06	- 0.94	1.55	0	8					J. S. Wannamaker.
Smiths Mills	Georgetown	62	18								2.54	- 3.37	1.26	0	9					W. G. Walker.
Society Hill	Darlington	192	22	79.8	+ 2.8	103	23	57	16†	34	5.45	- 0.56	2.80	0	8	12	16	2	sw.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	16	80.2	+ 3.0	102	25	62	18	31	5.87	+ 0.11	1.62	0	12	8	21	1	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	11	81.5	+ 3.4	104	24	59	4	35	4.37	- 1.22	1.36	0	13	14	10	6		J. A. Westerberg.
Yemassee	Hampton	24	18	80.0	+ 1.2	102	24	61	18†	33	6.02	- 0.04	2.58	0	8					J. G. Hutson.
Division means and extremes				80.7	+ 2.8	108	25	56	2†	36	4.71	- 1.14	3.30	0	8	13	11	6	sw.	
Western Portion.																				
Aiken	Aiken	527	19	81.8	+ 3.3	104	24†	59	18†	33	4.05	- 0.77	0.97	0	9	10	18	2	sw.	W. M. Brown.
Anderson	Anderson	764	12	82.8	+ 7.0	106	25	57	19	35	1.80	- 3.63	0.84	0	5	22	0	8	w.	H. H. Russell.
Batesburg	Lexington	656	25	80.6	+ 2.9	101	24†	59	19	29	2.38	- 2.79	0.62	0	7					E. J. Hite.
Blairs	Fairfield	293	8								2.51		0.95	0	9					J. N. Owens.
Calhoun Falls	Abbeville	508	21								2.81	- 1.83	1.41	0	5					L. M. Parker.
Camden	Kershaw	222	47	79.6		102	24	52	19	31	4.47	- 0.01	1.29	0	10	13	17	0	ne.	W. C. Brown.
Catawba	York	562	8								3.06		0.80	0	9					James C. Faris.
Chappells	Newberry	402	9								1.37		0.50	0	4					J. J. Murran.
Clemson College	Oconee	850	22	80.6	+ 5.0	98	25†	60	17	31	0.26	- 5.14	0.11	0	3	19	8	3	w.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	27	80.5	+ 2.3	103	24	60	18	32	6.31	+ 2.13	2.67	0	8	14	12	4	sw.	U. S. Weather Bureau.
Edgefield	Edgefield										2.26		0.61	0	5					T. L. Timmerman.
Gaston Shoals ‡‡	Cherokee	680	1								5.08		2.10	0	11					Harry A. Parshall.
Greenville	Greenville	989	21	79.9	+ 6.5	100	25	54	19	31	0.86	- 4.49	0.59	0	6	19	8	3	w.	Spartan Goodlette.
Greenwood	Greenwood	671	25	82.2	+ 4.5	105	25	59	19	35	2.15	- 2.56	0.78	0	5					M. M. Calhoun.
Heath Springs	Lancaster	568	12	78.2	+ 1.2	100	23†	58	19	25	4.40	- 1.31	1.56	0	12	15	11	4	w.	J. Marvin Bowers.
Liberty	Pickens	900	19	82.2	+ 5.9	103	25	54	19	34	1.08	- 3.83	0.60	0	8	16	12	2	w.	John T. Boggs.
Little Mountain	Newberry	711	20	82.8^{b}	+ 5.1	104	24†	58	13	39	4.47	- 0.14	1.05	0	12	19	4	7	s.	J. M. Sease, M. D.
Meriwether	Edgefield		10	83.0	+ 5.9	105	24†	59	18	33	3.46	- 1.39	1.00	0	8	14	8	8		William S. Middleton.
Monetta	Saluda	400	7	81.4		104	25	59	19	29	2.74		0.71	0	8	10	16	4	sw.	Joseph M. Johnson.
Newberry	Newberry	502	26	82.7	+ 5.1	106	24†	60	19	34	3.13	- 1.46	1.33	0	10	5	23	2	e.	Warren G. Petterson.
Pelzer	Anderson	850	10								2.18		0.82	0	6					Joshua Y. Jones.
Saluda	Saluda	536	11	82.8	+ 5.2	106	25	60	18†	36	1.54	- 3.77	0.41	0	7	27	0	3	se.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	19	81.1	+ 4.6	106	25	55	6	37	3.62	- 0.63	1.86	0	8	7	20	3	s.	E. W. Jeter.
Spartanburg	Spartanburg	875	22	81.0	+ 4.3	105	25	55	19	32	2.61	- 2.59	0.80	0	11					F. P. Robinson.
Trenton	Edgefield	620	20	83.0	+ 4.7	106	25	50	18	34	3.15	- 1.60	0.92	0	12	7	22	1	e.	C. A. Long.
Winnsboro	Fairfield	545	24	80.0	+ 2.5	100	24†	58	18†	29	6.05	+ 1.48	2.97	0	6	20	9	1	ne.	J. W. Seigler.
Winthrop College ‡‡	York	690	13	81.7	+ 6.1	105	24	57	18	39	2.98	- 2.37	1.45	0	9	2	27	1	sw.	W. P. Goodman.
Division means and extremes				81.4	+ 4.5	106	24†	50	18	39	2.99	- 1.94	2.97	0	8	14	13	3	w.	
State means and extremes				81.1	+ 3.4	108	25	50	18	39	3.80	- 1.25	3.30	0	8	14	12	4	sw.	

The departures from the normal temperature and precipitation are computed for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature readings are computed from observed readings of the dry bulb: means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily Precipitation for June, 1914.

Stations.	Watershed.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
astern Portion.																																	
ndale ‖	Savannah	.94		.05							.04				.79		.78	.21		1.00							.20			.45			4.46
fort	Coast		T.			.21		.49							.98	.07	1.60			1.47							.13						4.95
kville ‖	Edisto	.60													.63		.42	.04		1.48							.62			.02			3.81
man	do	.18				.72		.11		.47				.30	3.30	.13	T.		.85								.70						6.76
leston ***	Coast	.17	.27			.25	.18	.09		.48				.66	.40	T.	.08		1.67	.01							.07				T.		4.33
aw ‖	Pedee		.02				1.31	.13						1.50	.02		T.	.01		.94							.24			T.			4.17
ray ‖	Waccamaw	.06					.18	T.						T.	.35		.10	.20		.45						.09	.39						1.82
ington ‖	Pedee						.91							.82	.12	.04	.10		.70								.51						3.20
n	Little Pedee	T.				.15	2.64						.06	.48	T.				.69	.04					T.	T.	.27						4.33
o ‖‖	Edisto	1.40					.52		.05		.21				.92	.37				1.40							1.22						6.09
gham ‖	Lynches						.30		T.		T.			.27	.54		T.			1.25							.30						2.66
uson ‖	Santee			.66			2.03				.10				2.70		.10	.08		.67							1.33						7.67
ence ‖‖	Pedee						.20	T.	.62					.72	.40		.10	T.		.84							1.00						3.88
getown	Coast		.45			.45	.35								1.05		.45	.48	1.45								T.				T.		4.68
stree ‖	Black	.18					1.20		1.03						1.05		.36	.08		.45							.21						4.56
polis	Cooper					1.00	.10		.25				1.20				2.25		1.35								.96				.20		7.31
ni	Santee						.82	.03			.02			T.	2.33					.78							.66						4.64
eorge ‖‖	Edisto			.07			.37		.20		.25				1.40	.09	.05	.05		1.03							.79						4.30
atthews ‖	Santee	.80					1.13							.07	1.55	.07				.60							.75				.09		5.06
hs Mills ‖‖	Pedee			.05			.20	.05						.02	1.26		.05	.13		.60							.18						2.54
ty Hill ‖	do	.03					2.80	.07					.85	.25		.05		1.00								.40							5.45
nerville	Ashley	.10	.35			.03	.73	.13		.19					1.62	T.	.12		1.18	.48							.52	T.			.42		5.87
erboro	Ashepoo	.05	.15			.03	.05	.36	.01						.38	1.36	.29		1.10	.34							.20				.02		4.37
assee‖‖	Combahee	T	T.	.42			.13	.40	T.						.38		1.28	1.30		1.84							.27						6.02
estern Portion.																																	
n	Edisto						.75			.03				.10	.50	.28	.30	.87											.97	.25			4.05
rson	Savannah					.10					.55			.10		.21			.84														1.80
sburg ‖	Edisto		.31										.62	.43	.09	T.	.26			.45							.22			T			2.38
s ‖	Broad	.09					.95				.15			.30			.05		.05	.32									.39	.21			2.51
oun Falls ‖	Savannah						1.41				.11				.02		.39			.88										T.			2.81
len ‖	Wateree	.04	.02				.23				.44			.74	.45		1.29			.99							.25			.02			4.47
wba ‖	Catawba						.33	.18		.05						.26	.70		.02	.60							.80	.12					3.06
pells ‖	Saluda						.50							.30			.12			.45													1.37
son College	Savannah	.11			.08														.07														0.26
mbia ***	Congaree					1.56				T.			T.	.73	T.	.07	T.		.99	.03						.07	.19	T.	2.67				6.31
field ‖	Savannah											.56		.40			.30			.61									.39				2.26
on Shoals ‖	Broad			2.10	.03		1.54	.02		T.	.30			.15	.03	.03	T.	T.	.02	.61	T.								.25				5.08
nville ‖	Saluda						.15				T.	.10		.01	.01				.27	.32								T.		T.			0.86
nwood ‖	do						.56							.78			.28		.11	.42													2.15
h Springs	Wateree	.03				1.56		.22		.05			.51		.30	.06			.64						.08	.72		.13	.10				4.40
rty	Savannah		T.		.02	.04				T.	.30		T.	T.	.04			T.	.60				.02			.04	T.	.02		T.			1.08
e Mountain	Saluda	1.05				.30	.02						.06	.25	.70	.42	1.02	.30					T.			.10	.15		.10				4.47
wether	Savannah	.13				.29	T.				.29					.73	.29		1.00	.08							.65						3.46
etta	Edisto	.03					T.					.43		.42		.55	.23		.31								.71		.06				2.74
berry	Saluda					.60	.07						.01	.10	.16		1.33		.45	.10							.03		.28				3.13
er ‖‖	do						.36					.36		.18	.46				.18	.64													2.18
da	do												.21	.25	.09		.24		.41	.20						.14							1.54
uck	Broad					1.86	.10	T.		T.			.24	.30		.18	T.		.84	.02							T.	.18					3.62
tanburg ‖	do						.57	T.			.13	.03		.28	.52	.04	T.	.20	.14	.35			T.	.02					.33				2.61
ton	Edisto	.03				.06					.03	.02	.03	.16		.34	.41		.60	.11							.44		.92				3.15
nsboro	Broad					2.97							.55	1.27		.45			.55							.26							6.05
throp College	Catawba					.10	.10	.12		.10					.15	.20			.56							.20	1.45						2.98

' Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. Except as otherwise indicated observations are generally made late in the ternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation, * Precipitation included in the next following measurement

* * Regular Weather Bureau station; precipitation is for the 24 hour period, midnight to midnight.

Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

Daily Temperatures for June, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	85	92	87	94	98	86	91	94	102	94	95	102	103	99	99	85	84	73	84	96	97	98	103	105	105	94	101	105	102	99	....	95.1
	Minimum	66	68	68	67	71	70	70	68	70	71	71	73	73	71	72	70	65	64	61	65	68	69	74	77	76	72	72	75	75	75	....	70.2
Beaufort	Maximum	84	90	84	85	95	83	86	92	....	84	86	....	88	91	91	82	88	82	79	90	87	90	98	99	97	....	90	88	92	91	....	88.6c
	Minimum	70	73	71	69	74	72	73	71	....	73	73	....	74	71	73	68	69	67	65	69	73	74	76	78	80	....	73	78	78	78	....	72.7c
Blackville §§	Maximum	89	93	90	86	101	85	94	96	104	99	102	104	106	104	100	85	88	76	88	98	100	100	106	107	108	95	101	101	103	102	....	97.4
	Minimum	66	67	68	66	70	69	68	67	69	68	70	71	71	69	71	70	62	63	60	64	69	70	74	74	74	71	72	73	78	74	....	69.3
Bowman	Maximum	83	92	93	94	97	80	87	94	97	95	96	97	98	94	94	90	82	73	85	95	94	96	102	104	104	94	95	97	98	98	....	93.3
	Minimum	65	66	67	66	65	68	68	67	68	68	70	70	71	67	68	67	62	60	62	68	71	71	71	74	73	71	75	74	75	75	....	68.8
Charleston	Maximum	78	87	79	85	95	80	81	83	94	80	87	86	88	91	88	85	78	78	81	89	87	91	98	101	95	87	90	94	89	90	....	87.2
	Minimum	71	73	73	74	73	73	73	72	68	73	74	75	71	72	75	72	69	66	66	70	75	74	78	80	82	75	80	81	81	78	....	73.9
Cheraw §§	Maximum	89	91	87	92	95	66	84	91	97	92	98	99	89	91	90	79	82	65	84	91	93	96	100	103	102	94	95	97	99	93	....	90.8
	Minimum	71	70	67	66	74	62	64	72	74	72	75	76	69	69	70	72	58	57	60	64	71	73	75	73	74	72	72	76	78	67	....	69.8
Conway §§	Maximum	82	87	85	89	95	75	85	90	92	89	95	97	91	91	92	76	84	77	83	93	92	96	101	103	99	93	92	96	96	90	....	90.2
	Minimum	69	67	60	61	72	64	66	64	69	71	69	71	71	69	73	71	61	65	64	65	69	72	74	73	72	75	73	77	79	75	....	69.4
Darlington §§	Maximum	87	90	81	90	94	74	86	92	95	92	98	98	91	91	92	75	82	66	84	94	93	96	101	103	103	93	94	96	97	92	....	90.7
	Minimum	67	67	61	61	72	63	64	65	72	69	71	72	67	67	72	68	56	56	59	64	70	71	75	71	72	71	73	74	76	72	....	67.9
Dillon	Maximum	87	90	87	93	97	77	85	89	93	90	100	98	91	89	91	84	75	72	81	92	92	95	102	102	102	95	98	99	98	93	....	91.2
	Minimum	72	68	62	61	70	63	65	66	72	69	72	73	62	68	71	66	58	59	61	65	70	72	75	73	72	73	74	76	78	73	....	68.6
Ferguson §§	Maximum	83	93	86	91	96	82	88	90	96	89	95	95	94	94	94	94	82	73	82	92	92	93	98	100	99	93	94	94	95	93	....	91.3
	Minimum	68	66	66	65	65	70	71	68	69	70	70	72	73	71	70	71	62	62	63	64	65	72	73	72	74	71	71	78	80	78	....	69.7
Florence §§	Maximum	86	88	86	92	91	90	88	90	94	93	98	100	96	98	92	86	82	68	80	90	92	96	103	104	103	95	98	96	97	92	....	92.1
	Minimum	68	67	63	63	68	65	65	66	68	70	71	72	72	68	72	69	57	58	56	64	70	72	74	75	82	72	73	75	78	74	....	68.9
Georgetown	Maximum	90	93	88	87	98	89	85	89	95	87	92	95	92	92	93	87	87	80	77	92	94	96	101	102	98	94	94	94	94	97	....	91.7
	Minimum	69	69	64	62	69	70	71	62	70	73	71	72	72	70	77	68	72	69	62	68	72	75	76	82	86	72	80	82	83	72	....	72.0
Kingstree §§	Maximum	86	91	87	93	96	82	86	92	97	91	96	98	98	98	95	81	84	86	83	94	94	96	101	102	103	95	97	98	98	96	....	92.9
	Minimum	68	56	64	63	69	67	68	66	68	70	70	71	73	69	69	70	61	62	61	64	69	71	73	74	74	72	73	75	79	74	....	68.8
St. George §§	Maximum	....	96	91	95	99	....	87	93	101	92	98	99	99	96	97	84	85	75	85	....	....	98	103	105	105	95	97	98	100	98	....	95.0d
	Minimum	....	60	67	63	70	68	69	68	68	69	69	70	72	68	69	71	63	61	61	63	....	....	69	73	73	70	74	73	74	75	....	68.5c
St. Matthews §§	Maximum	84	90	87	92	99	80	87	90	97	91	97	98	97	96	93	79	82	69	84	93	94	95	105	106	106	95	96	97	100	95	....	92.5
	Minimum	67	67	67	64	70	69	66	67	71	69	71	71	71	68	70	70	61	61	60	63	71	71	75	75	77	74	75	75	78	74	....	69.6
Society Hill §§	Maximum	91	86	94	99	77	85	92	96	92	99	100	89	90	90	76	82	67	84	93	95	98	101	103	100	92	95	97	101	91	96	....	91.7
	Minimum	66	63	60	71	63	63	66	72	70	71	72	69	67	70	68	57	57	59	63	69	71	75	72	72	71	71	74	76	71	69	....	67.9
Summerville	Maximum	79	93	86	90	96	78	84	90	96	87	92	94	93	94	97	83	84	77	81	92	92	94	98	101	102	94	93	94	95	91	....	90.7
	Minimum	69	66	68	65	65	69	71	69	69	70	70	70	73	70	71	69	65	62	63	65	69	70	74	76	76	71	77	75	78	70	....	69.8
Walterboro	Maximum	86	96	88	94	98	85	87	92	98	90	96	96	98	98	97	84	84	74	82	94	94	85	101	104	103	92	97	98	98	98	....	93.2
	Minimum	68	66	68	59	71	69	71	68	69	70	70	71	73	70	70	71	64	62	62	64	68	75	73	74	75	72	75	76	79	....	....	69.8a
Yemassee §§	Maximum	84	94	86	91	94	84	89	92	98	90	95	96	96	99	99	83	81	76	84	94	93	95	100	102	101	93	96	98	98	97	....	92.7
	Minimum	65	62	64	63	66	68	68	67	65	68	67	67	68	68	70	68	66	61	61	62	64	66	68	72	71	70	70	72	75	73	....	67.2
Western Portion.																																	
Aiken	Maximum	96	91	88	92	97	90	87	94	100	93	100	98	98	99	100	82	83	79	83	94	94	98	102	104	104	99	98	99	99	98	....	94.6
	Minimum	66	66	67	67	70	75	75	....	70	69	72	76	70	68	71	69	62	59	59	65	71	69	73	73	73	72	71	67	67	72	....	68.9a
Anderson	Maximum	96	95	96	96	95	73	95	97	100	100	101	103	101	101	98	84	79	73	86	94	96	98	101	104	106	101	103	104	103	102	....	95.8
	Minimum	68	67	69	70	69	66	65	68	73	68	70	75	71	71	73	71	66	58	57	67	72	73	74	73	76	74	73	74	71	70	....	69.7
Batesburg §§	Maximum	90	90	88	90	95	90	87	95	98	94	97	97	96	99	96	84	80	74	83	92	93	98	100	101	101	97	98	99	100	95	....	93.2
	Minimum	65	61	63	66	68	69	65	68	70	67	69	70	69	71	70	69	60	62	59	64	70	69	72	74	75	70	70	70	73	76	....	68.1
Camden §§	Maximum	89	90	70	92	97	90	86	90	98	98	98	91	94	93	93	77	81	68	72	84	99	97	101	102	101	92	95	96	97	98	....	90.7
	Minimum	67	67	68	64	66	68	68	62	68	70	68	69	71	71	71	69	62	63	52	62	63	68	70	75	76	73	74	76	77	76	....	68.5
Clemson College	Maximum	82	89	92	91	90	77	85	88	94	95	93	94	92	95	94	88	82	74	80	92	91	92	95	97	98	94	97	98	97	98	....	90.8
	Minimum	69	69	73	79	76	67	68	70	68	70	68	68	71	74	73	64	60	62	69	70	71	74	77	72	76	74	71	72	71	67	....	70.4
Columbia	Maximum	88	89	88	90	95	76	86	91	95	91	95	98	94	95	93	79	80	69	84	93	95	98	102	103	102	91	96	97	96	90	....	91.4
	Minimum	68	69	69	67	67	67	66	69	73	71	73	74	70	70	71	65	62	60	61	68	74	73	76	75	76	70	75	66	76	72	....	69.6
Greenville §§	Maximum	91	90	88	91	90	72	89	96	98	95	99	94	97	96	96	84	80	68	83	90	91	92	97	98	100	96	96	98	97	96	....	91.6
	Minimum	67	69	69	68	69	66	64	66	70	68	68	73	69	71	71	73	65	58	54	59	72	71	71	69	72	73	71	74	70	67	....	68.2
Greenwood §§	Maximum	96	95	94	99	97	77	85	93	100	98	103	104	97	98	96	83	81	64	85	95	99	98	104	104	105	103	100	102	102	100	....	95.3
	Minimum	68	68	67	66	70	67	64	68	71	72	71	74	70	71	73	70	62	60	59	60	69	72	74	74	74	72	73	75	74	69	....	69.2
Heath Springs	Maximum	76	87	84	88	89	80	78	89	92	89	94	96	94	91	89	75	75	71	79	87	92	95	100	100	100	90	92	87	94	85	....	87.6
	Minimum	66	69	66	64	71	61	61	68	73	69	72	73	72	69	69	66	66	59	58	67	72	71	76	75	75	70	70	75	73	70	....	68.9
Liberty	Maximum	97	97	96	94	96	73	92	97	102	95	98	99	100	98	99	85	78	69	87	95	96	97	101	101	103	98	101	101	101	100	....	94.9
	Minimum	67	66	68	70	70	67	64	66	78	78	70	73	68	71	71	76	67	59	54	66	73	75	70	70	75	74	70	71	71	66	....	69.6
Little Mountain	Maximum	90	92	86	93	95	73	82	94	100	98	103	101	97	97	92	80	81	80	85	92	97	99	102	104	104	97	99	99	101	94	....	93.5
	Minimum	67	68	69	68	70	67	66	70	73	70	71	74	58	67	70	68	61	....	....	69	72	72	77	77	77	72	77	76	75	74	....	72.0b
Meriwether	Maximum	94	95	92	95	96	82	91	98	102	97	100	103	102	103	103	85	84	74	88	97	98	100	103	105	105	100	100	101	104	93	....	96.3
	Minimum	68	69	68	68	72	68	67	67	72	70	70	74	71	72	70	70	64	59	60	67	66	71	75	71	74	72	71	77	75	70	....	69.6
Monetta	Maximum	89	93	90	91	95	78	87	95	100	95	98	97	96	97	98	79	80	75	83	92	94	98	102	103	104	99	96	97	99	97	....	93.2
	Minimum	67	66	67	67	71	68	67	66	71	67	71	72	70	69	70	70	62	60	59	65	71	70	74	78	79	72	73	76	75	71	....	69.5
Newberry	Maximum	96	94	89	95	99	75	85	94	98	98	102	103	100	99	98	83	81	78	87	97	99	101	103	106	106	100	101	103	102	95	....	95.6
	Minimum	67	70	69	70	70	68	65	68	70	70	70	76	70	70	70	71	63	61	60	66	72	73	75	72	75	72	71	76	75	68	....	69.8
Saluda	Maximum	96	95	91	96	98	96	88	99	102	99	101	102	100	102	99	84	89	75	87	96	97	101	105	105	106	103	100	102	105	99	....	97.1
	Minimum	67	65	67	67	73	69	65	63	70	67	67	74	69	70	69	69	62	60	60	69	73	72	....	68	70	71	71	76	76	65	....	68.4a
Santuck	Maximum	97	95	91	95	100	72	85	94	97	97	102	100	97	96	96	82	81	69	86	94	96	98	103	105	106	101	103	101	101	95	....	94.5
	Minimum	61	69	71	69	63	55	64	67	70	68	68	65	66	69	68	69	60	58	59	66	73	74	74	72	77	71	71	73	75	67	....	67.7
Spartanburg §§	Maximum	97	95	90	95	96	69	88	98	99	96	101	99	97	95	96	84	79	66	85	94	98	97	100	102	105	101	101	101	98	97	....	94.0
	Minimum	67	70	68	70	68	65	64	64	64	68	69	74	70	70	71	72	62	59	55	62	70	70	72	70	73	73	70	74	72	68	....	68.1
Trenton	Maximum	91	96	89	92	93	86	91	99	102	95	100	106	97	100	102	84	83	70	87	92	92	98	100	103	106	99	97	98	99	100	....	94.5
	Minimum	67	62	67	67	71	68	66	66	72	69	69	72	70	83	84	71	70	50	59	74	71	71	83	83	84	84	74	76	70	72	....	71.6
Winnsboro	Maximum	86	86	90	92	91	72	80	92	94	97	99	97	93	92	91	77	75	68	82	90	95	94	98	100	100	94	97	97	98	95	....	90.4
	Minimum	66	68	68	68	69	65	64	68	68	74	70	72	60	69	72	69	60	58	58	67	75	72	74	78	78	71	72	76	78	72	....	69.7
Winthrop College	Maximum	88	98	92	94	90	93	90	95	97	95	99	99	85	98	96	83	82	75	85	92	98	100	103	105	104	103	96	100	101	101	....	94.6
	Minimum	66	70	68	67	69	63	64	67	71	70	72	74	70	68	69	70	59	57	60	66	72	73	75	73	74	66	66	75	73	70	....	68.8

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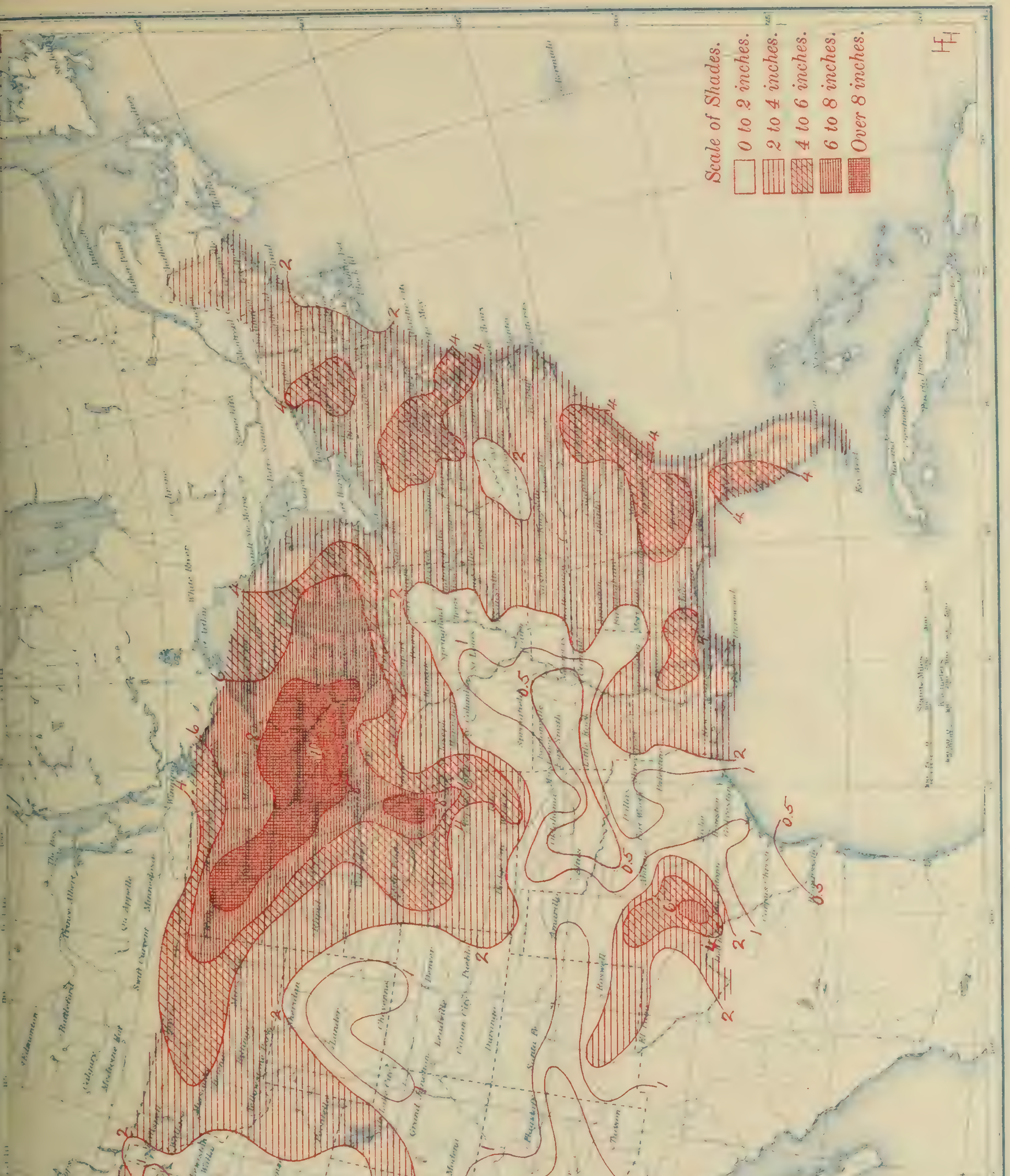
a, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from record. §§ Instruments are read in the morning, the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
0.5
1
2
4
6
8
0
No Rain
Denver
Leadville
Santa Fe
Los Angeles
Phoenix
Tucson
Flagstaff
Roswell
El Paso
Amarillo
Dallas
Fort Worth
Palestine
Little Rock
Swift Current
Qu'Appelle
Prince Albert
Battleford
Calgary
Medicine Hat
Edmonton
Kamloops
Cheyenne
Lander
Grand Junction
Durango
Pueblo
Modena
Tonopah
Independence
Fresno
San Francisco
Eureka
Roseburg
Baker
White River
Bermuda
Key West

MISCELLANEOUS PHENOMENA.

(Continued from page 43.)

Thunderstorms (Dates).—Aiken, 28; Beaufort, 1, 2, 5, 15, 23; Blackville, 14, 26, 30; Bowman, 5, 7, 9, 13, 14, 15, 18, 26; Catawba, 25; Charleston, 1, 2, 5, 7, 9, 13, 14, 15, 16, 18, 26, 30; Cheraw, 1, 5, 12, 26, 28; Columbia, 1, 5, 9, 11, 12, 13, 14, 15, 18, 23, 25, 26, 28; Gaston Shoals, 9, 27; Georgetown, 9; Greenville, 5, 9, 12, 15, 26; Liberty, 5, 9, 10, 11, 13, 14, 18, 21, 25, 26; Monetta, 10, 12, 15, 16, 25, 28; Newberry, 5, 12, 13, 14, 16, 18, 26, 28; Rimini, 13, 14, 25; Santuck, 5, 9, 12, 15, 26, 27; Spartanburg, 9; Summerville, 2, 5, 7, 9, 13, 14, 18, 26, 30; Trenton, 5, 6, 9, 10, 12, 13, 14, 15, 18, 25, 26, 28.

Lightning, Damage.—On 12th, two mules were killed and a barn was burned by lightning near Simpsonville. On 15th, a dwelling house was destroyed and one man was struck by lightning at Travelers' Rest.

Errata May, 1914.

Heath Springs. Mean temperature, page 36, should be 68.8; mean maximum temperature, page 38, should be 82.5.

Yemassee.—Mean temperature, page 36, should be 71.0; mean maximum temperature, page 38, should be 36.2.

COMPARATIVE DATA FOR JUNE.

Year.	Temperature.			Precipitation.		Average number of days—			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Pt. Cldy.	Cloudy.	
1887	77.9	107	41	3.53	8				
1888	78.1	102	51	2.73	7				sw.
1889	74.4	99	39	5.10	10				se.
1890	80.9	103	56	2.41	8				sw.
1891	79.3			3.20					
1892	75.1	99	53	5.25					sw.
1893	76.5	96	53	7.64	12	10	11	9	se.
1894	77.0	105	41	3.91	8	13	12	5	sw.
1895	78.2	105	50	3.04	8	13	13	4	sw.
1896	77.9	102	52	5.42	12	11	12	7	sw.
1897	79.2	103	49	5.44	12	10	13	7	sw.
1898	79.7	105	55	4.15	8	17	10	3	sw.
1899	79.4	105	48	3.89	8	14	10	6	sw.
1900	76.2	97	52	7.94	14	4	15	11	sw.
1901	76.7	102	48	6.55	12	9	12	9	sw.
1902	78.5	105	52	4.48	9	15	10	5	sw.
1903	74.2	96	42	8.09	14	11	10	9	sw.
1904	77.0	102	48	4.06	8	18	7	5	sw.
1905	78.9	101	43	1.92	6	6	14	10	e.
1906	78.4	102	52	8.88	12	13	8	9	sw.
1907	75.8	99	50	5.92	10	12	13	5	sw.
1908	76.6	100	48	4.90	9	13	13	4	ne.
1909	79.2	105	58	6.87	12	10	14	6	sw.
1910	75.5	98	46	7.78	13	10	11	9	sw.
1911	80.9	106	54	3.42	8	14	12	4	sw.
1912	75.5	101	48	5.68	9	13	7	10	sw.
1913	76.2	105	40	5.53	12	15	9	6	sw.
1914	81.1	108	50	3.80	8	14	12	4	sw.
Averages	77.7	108[a]	39[a]	5.05	10	12	11	7	sw

MISCELLANEOUS DATA FOR JUNE, 1914.

Stations.	Barometer sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Sunshine—total hours.	Relative humidity per cent.	Wind.	
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.			Average hourly velocity, miles.	Prevailing direction.
Asheville, N. C.	30.03	73.1	92	51	5.34	1.78	316.5	76	5.7	nw.
Augusta, Ga.	30.02	82.6	104	62	1.71	1.00	324.0	66	5.9	s.
Charleston, S. C.	30.02	80.6	101	66	4.33	1.68	331.4	79	9.9	s.
Charlotte, N. C.	30.02	79.8	102	57	2.12	0.92	317.5	68	5.9	ne.
Columbia, S. C.	30.02	80.5	103	60	6.31	2.67	265.9	70	6.7	sw.
Savannah, Ga.	30.03	81.6	101	65	4.27	1.05	230.5	80	10.0	sw.
Wilmington, N. C.	30.05	78.0	98	60	1.13	0.46	282.5	79	7.8	sw.
Averages	30.02	79.5	104[a]	51[a]	3.60	2.67[b]	295.5	74	7.4	sw.

[a] Extremes. [b] Greatest.

.05
SC STACK

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
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CLIMATOLOGICAL DATA

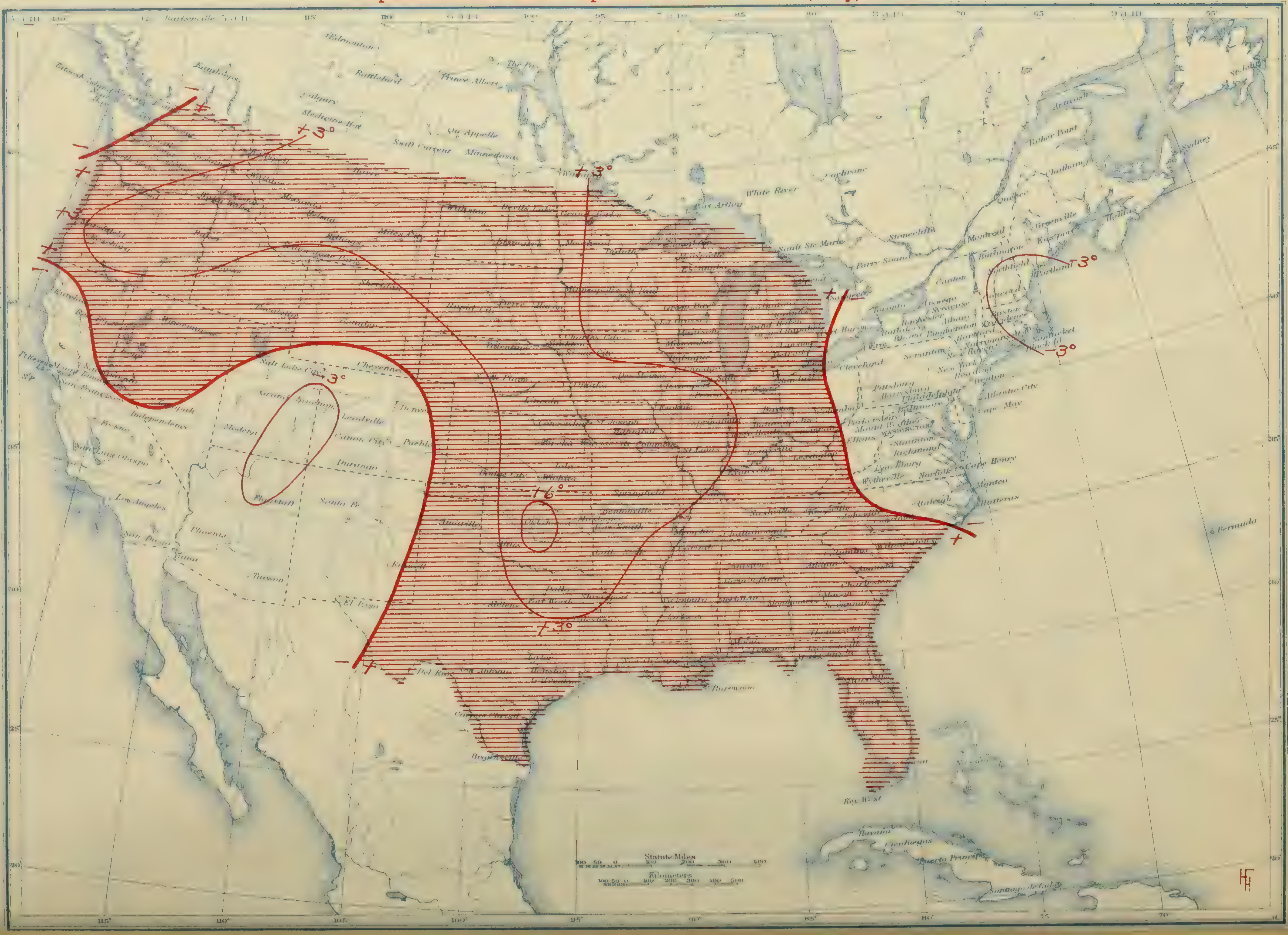
SOUTH CAROLINA SECTION

JULY, 1914

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
September 4, 1914.

Departure of the Mean Temperature from the Normal, July, 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

Vol. XVII. Columbia, S. C., July, 1914. No. 7

GENERAL SUMMARY.

Thermal conditions ranged near the seasonal average during July, except excessive heat throughout the section between the 23d and 27th and abnormally cool weather at the close of the month. The precipitation was somewhat below the normal and only fairly distributed as to area.

A marked improvement in crop conditions attended the generous rains of the first decade. Tobacco, which had deteriorated under stress of excessive heat in June, showed recovery to nearly normal prospects. Cotton continued from good to excellent, with comparatively few areas of yellow plants. Corn improved rapidly, but in some fields the ears did not develop as well as desired.

The 6th and 7th of July were marked by probably the most extensive and destructive thunder-showers and hail-storms that ever visited the plantations of South Carolina, entailing a loss approximated at $955,000 on crops of 51,000 acres in Anderson, Laurens, Spartanburg, Cherokee and York counties. Of this amount, York county is estimated to have lost $730,000 on about 40,000 acres, the hail belt embracing an area of 5 by 25 miles, with center of greatest energy to the northward of Rock Hill. Particulars of these storms are discussed on another page.

Succeeding showers towards the middle of the month further improved staple crops, except in some of the eastern counties and a few other small areas, where the rainfall was still deficient. During the early part of the last decade, however, droughty conditions and excessive heat materially checked growth and caused considerable deterioration in sections already under dry weather influences. Much old corn was damaged beyond recovery, and the area of yellow cotton plants increased, although the latter crop as a whole was in very good condition at the close of the month. The army worm appeared in the forage crop of Charleston County during the last decade, causing considerable damage. Plentiful rains were needed throughout the section at the close of the month.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the section, was 30.02 inches. The highest pressure in the district covered was 30.28 inches at Asheville, N. C., on the 23d; lowest, 29.80 inches at Wilmington, N. C., on the 28th. The range of pressure in the section proper was from 30.25 inches on the 23d down to 29.83 on the 28th at Columbia.

TEMPERATURE.

The monthly mean for the section, determined from reports of 39 stations, was 80.0 degrees, or 0.1 degree above the established normal. The highest temperature was 107 degrees at Winthrop College, Rock Hill, York County, on the 25th and 26th and at Blackville, Barnwell County, on the 26th. The warmest period was from the 23d to the 27th, when temperatures of 100 to 107 degrees were recorded generally, especially on the 25th and 26th. The lowest temperature was 53 degrees at Conway, Horry County, on the 22d. The coolest periods of the month were as follows: Eastern portion, 21st to 23d and 30th to 31st; western portion, 30th to 31st.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the section, was as follow: 8 a. m., 80 per cent.; 8 p. m., 70 per cent. The highest average percentages occurred in the extreme eastern, extreme southern and northwestern portions of the section, and the lowest, in the region north of a line running from Charleston to Augusta, Ga.

PRECIPITATION.

The average for the section, 51 stations reporting, was 5.16 inches, or 0.40 inch below the established normal. Showers were most frequent during the periods, 1st to 10th, 16th to 20th and 28th to 30th. The distribution of rainfall was irregular. In most of the southern counties the monthly total amounts ranged from 5 to over 9 inches, while in the northwestern and northeastern counties, the amounts were generally below 3 inches, with less than 2 inches in southern Florence County and less than 1 inch in portions of Dillon County. The greatest amount locally was 9.90 inches at Rimini, Clarendon County; least, 0.78 inch at Dillon, Dillon County. The greatest 24-hour amount was 3.91 inches at Cheraw, Chesterfield County, on the 4th and 5th. The average number of days with 0.01 inch or more of precipitation was somewhat below the normal.

WIND.

The prevailing winds were from the southwest. The average hourly velocity, determined from 7 anemometer records, was 7.0 miles. The highest local average velocity in the district covered by reports was 9.9 miles per hour at Savannah, Ga.; lowest, 5.3 miles per hour at Augusta, Ga. The highest velocity for any 5-minute period was 59 miles per hour from the southwest at Columbia on the 9th; lowest maximum velocity, 28 miles per hour from the southwest at Wilmington, N. C., on the 28th; at Charleston the maximum velocity was 38 miles per hour from the south on the 23d.

SUNSHINE AND CLOUDINESS.

The total hours of sunshine, determined from 7 automatic records, was 307.2, or 70 per cent. of the possible amount. The average number of clear days was 14; partly cloudy, 13; and cloudy, 4; as against normals of 12, 12, and 7 days, respectively.

RIVER CONDITIONS.

The rivers of the section continued at low stages during the month, except a moderate freshet in the Catawba-Wateree on the 8th and 9th, followed by stages near flood in the upper Santee from the 10th to the 13th.

MISCELLANEOUS PHENOMENA.

Earthquakes (*Dates*).—Summerville, 13, 8:53 p. m.; 14, very slight, 2:03 a. m.

Fog (*Date*).—Cheraw, 9.

Hail (*Dates*).—Clemson College, 9, 28; Liberty, 10; Rock Hill, 6. (See special article on another page).

Halos (*Dates*).—Lunar: Charleston, 1; Columbia, 3. Solar: Liberty, 5, 21, 28.

Thunderstorms (*Dates*).—Batesburg, 7, 11, 29; Beaufort, 5; Blackville, 3, 10, 19; Bowman, 2, 3, 4, 7, 9, 10, 16, 17, 19, 28, 29; Charleston, 2, 3, 4, 5, 7, 10, 11, 16, 19, 20, 28; Cheraw, 2, 4, 7, 16, 28; Clemson College, 28; Columbia, 2, 3, 4, 6, 7, 8, 9, 11, 15, 16, 18, 26, 28; Gaston Shoals, 1, 6, 12, 14; Georgetown, 3; Greenville, 4, 5, 6, 7, 8, 9, 14, 15, 18, 28; Liberty, 1, 2, 4, 5, 6, 9, 10, 14, 15, 18, 26; Little Mountain, 7; Monetta, 2, 3, 7, 9, 11, 16, 19, 28; Newberry, 2, 7, 15, 28; Rimini, 9, 16; Winthrop College, Rock Hill, 6; Santuck, 4, 5, 7, 9, 15, 28; Society Hill, 2, 28; Summerville, 1, 2, 3, 10, 15, 16, 17, 19, 28; Trenton, 2, 3, 5, 6, 9, 10, 15, 16, 19, 27, 28.

(CONTINUED ON PAGE FIFTY-SIX.

Climatological Data for July, 1914.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With 0.01 in. or more precip.	Clear.	Part cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	25	81.8	+ 0.5	104	26	62	23	38	6.51	+ 1.11	1.47	0	12					S. B. Rouse.
Beaufort	Beaufort	21	27	80.2^{c}	1.1	96	26	66	31	22^{c}	5.90	0.69	2.51	0	5					Miss Lillian H. Rice.
Blackville	Barnwell	296	25	81.3	+ 0.4	107	26	59	30	35	7.15	1.92	1.55	0	11					Mrs. D. B. Sanders.
Bowman	Orangeburg	150	11	79.0	1.5	102	26	59	23	39	7.20	+ 1.80	1.31	0	10	19	9	3	sw.	B. O. Evans.
Charleston	Charleston	18	43	81.0	0.3	96	25	69	30	19	7.14	− 0.12	2.87	0	9	11	14	6	sw.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	24	80.4	+ 0.5	104	26	60	21†	33	5.75	− 0.03	3.91	0	9					J. H. Powe.
Conway	Horry	25	28	79.9	0.0	102	25†	53	22	40	3.55	− 3.06	0.99	0	7					Paul Quattlebaum.
Darlington	Darlington	175	18	80.1	+ 0.3	106	24	55	31	43	3.04	− 1.90	1.35	0	8	8	12	11		D. C. McCall.
Dillon	Dillon	100	10	80.6	+ 0.1	104	26	56^{a}	30	41	0.78	5.12	0.58	0	1					A. E. Rowell.
Edisto ‡‡	Bamberg	143	26								8.84	+ 3.66	1.82	0	9					Nathan Jenkins.
Effingham	Florence	106	21								1.35	3.28	0.55	0	6					H. B. McCall.
Ferguson	Orangeburg	63	28	80.4	1.1	104	26	61	23	36	5.35	− 0.49	1.15	0	8					Joseph P. Simons.
Florence	Florence	136	25	80.6	0.8	106	26	57	31	37	3.31	− 2.18	0.96	0	6					H. K. Gilbert.
Georgetown	Georgetown	12	19			103	25				7.40	0.65	3.55	0	5	9	22	0		A. P. Hazard.
Kingstree	Williamsburg	54	25	80.6	0.0	103	26	59	30	34	4.24	1.50	1.04	0	8					A. O. Matthews.
Pinopolis **	Berkeley	51	20	77.2	1.3	93	25	64	31	....	6.01	− 0.33	1.90	0	11	13	0	18	sw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	1								9.10		2.95	0	9					William B. Wolfe.
St. George	Dorchester	169	25	80.6	− 0.3	103	26	59	30	34	8.63	+ 2.70	3.20	0	11					Geo. N. Snelling, M. D.
St. Matthews	Calhoun	269	25	80.0	0.0	105	26	54	30	33	7.03	+ 1.55	1.25	0	9					J. S. Wannamaker.
Smiths Mills	Georgetown	62	18								3.84	2.21	1.60	0	8					W. G. Walker.
Society Hill	Darlington	192	22	80.2	0.8	105	23†	56	30	42	1.60	1.66	3.00	0	6	16	14	1	sw.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	16	79.8	0.1	100	26	61	30	31	7.76	+ 2.51	2.14	0	13	5	26	0	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	11	80.6^{c}	+ 0.6	102^{b}	26	61	23^{c}	36^{c}	6.01	− 0.70	2.00	0	12	13	15	3		J. A. Westerberg.
Yemassee	Hampton	24	18	79.2	1.5	104	26	59	23	38	4.00	2.86	1.24	0	9					J. G. Hutson.
Division means and extremes				80.2	− 0.2	107	26	53	22	43	5.56	0.68	3.91	0	9	12	14	5	sw.	
Western Portion.																				
Aiken	Aiken	527	19	80.4	− 0.9	103	26	66	31	32	4.56	− 0.03	1.80	0	9	21	9	1	sw.	W. M. Brown.
Anderson	Anderson	764	12	80.4^{c}	+ 1.4	103	25	60	31	36^{c}	5.41	+ 0.43	1.38	0	12	20	0	11	w.	H. H. Russell.
Batesburg	Lexington	656	25	78.4	− 1.4	101	26	58	31	32	8.82	+ 3.50	3.36	0	8					E. J. Hite.
Blairs	Fairfield	293	8								5.76		1.51	0	8					I. N. Owens.
Calhoun Falls	Abbeville	508	21								2.68	2.73	1.01	0	7					L. M. Parker.
Camden	Kershaw	222	17	79.8		105	26	60	31	40	2.01	− 3.28	0.52	0	11	17	12	2	se.	W. C. Brown.
Catawba	York	562	8								5.75		2.30	0	12					James C. Faris.
Chappells	Newberry	402	9								2.74		1.30	0	8					J. J. Murran.
Clemson College	Oconee	850	22	78.4	− 0.1	96	1	63	31	30	3.95	1.28	1.41	0	6	15	13	3	se.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	27	80.2	− 0.9	102	26	61	31	30	4.11	1.65	1.35	0	13	12	17	2	s.	U. S. Weather Bureau.
Edgefield	Edgefield										9.19		2.30	0	10					T. L. Timmerman.
Gaston Shoals ‡‡	Cherokee	680	1								2.75		0.85	0	12					Harry A. Parshall.
Greenville	Greenville	989	21	78.2	+ 1.9	99	25	58	31	31	3.04	− 2.06	1.00	0	11	17	9	5	s.	Spartan Goodlette.
Greenwood	Greenwood	671	25	79.2	− 0.9	103	26	60	30†	38	3.80	− 1.33	1.48	0	5					M. M. Calhoun.
Heath Springs	Lancaster	568	12	78.1	− 2.5	101	26	56	31	32	4.46	+ 0.23	0.83	0	9	15	9	7	w.	J. Marvin Bowers.
Liberty	Pickens	900	19	79.6	+ 0.6	101	27	60	31	39	2.24	− 3.71	1.02	0	12	16	12	3	sw.	John T. Boggs.
Little Mountain	Newberry	711	20	80.7	+ 0.3	105	26	60	28†	35	3.88	− 0.91	1.00	0	7	22	5	4	sw.	J. M. Sease, M. D.
Meriwether	Edgefield		10	79.8	− 0.5	105	26	60	30	38	6.33	+ 1.58	1.83	0	12					William S. Middleton.
Monetta	Saluda	400	7	80.2		103	26	60	31	37	6.28	....	2.34	0	13	8	16	7	sw.	Joseph M. Johnson.
Newberry	Newberry	502	26	80.8	+ 0.4	104	26	59	31	40	2.59	− 2.46	0.77	0	10	5	23	3	sw.	Warren G. Petterson.
Pelzer	Anderson	850	10								5.92	+ 0.62	1.18	0	11					Joshua Y. Jones.
Saluda	Saluda	536	11	81.1	+ 0.7	105	24†	57	30	44	4.28	+ 0.02	1.01	0	11	28	3	0	s.	Mrs. F. V. J. Maxwell
Santuck	Union	512	19	80.7	+ 1.2	105	25†	57	31	37	4.32	− 0.66	2.10	0	7	10	20	1	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	22	79.8	+ 0.4	105	26	58	31	38	2.27	2.21	0.65	0	10					F. P. Robinson.
Trenton	Edgefield	620	20	79.0	− 1.5	102	26	61	16†	33	7.79	+ 2.23	1.24	0	11	9	19	3	s.	C. A. Long.
Winnsboro	Fairfield	545	24	79.2	− 0.4	102	26	62	14	33	5.10	+ 0.39	1.98	0	6	20	9	2		J. W. Seigler.
Winthrop College ‡‡	York	690	13	81.4	+ 1.7	107	25†	56	7	40	9.03	4.29	2.25	0	10	4	26	1	sw.	W. P. Goodman.
Division means and extremes				79.8	− 0.1	107	25†	56	7†	44	4.81	0.43	3.36	0	10	15	13	3	sw.	
State means and extremes				80.0	+ 0.1	107	25†	53	22	44	5.16	− 0.40	3.91	0	9	14	13	4	sw.	

The departures from the normal temperature and precipitation are computed for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature readings are computed from observed readings of thedry bulb: mean are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

‖ Precipitation is less than 0.01 inch rain or melted snow.

Daily Precipitation for July, 1914.

Stations.	Watershed.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale †	Savannah	.05		.17	1.00	1.00		.28			.92	.26							.06	.51	1.47									.65		.17	6.54
Beaufort	Coast	.73		.20	2.26											T	T.	.32		2.51													5.99
Blackville	Edisto	.24		.05	1.55	1.00		.50			1.02	.45					.50			.80	.40									.64			7.15
Bowman	do	1.31																															
Charleston ***	Coast	T	.16	2.78	2.24	.35		.02				.41								.67	.30								.21	T.		T.	7.14
Cheraw †	Pedee		.17	.34		3.91		T.	.36		.16						.01	.18		.18										.44			5.75
Conway	Waccamaw			T.	.99	.45					.75						T.			.15	.79									.42			3.55
Darlington	Pedee		.25	.55		.15	.04			1.35	.10									.80										.20			3.04
Dillon	Little Pedee		.58	T.	.03					.14		T.				T.	T.	T.											.03				0.78
Edisto	Edisto			1.07		.40	1.21		.26		1.82							1.58		.92	1.10									.48			8.84
Effingham	Lynches			.55	T.	2.01	T.				T.	.22	T.				T.	T.	.03											.35			1.35
Ferguson	Santee	1.50		.22		.62			.10	1.15							.31	.45			.65									.35			5.35
Florence	Pedee		T.	.60	T.	.70	T		.96		.10							.20												.75			3.31
Georgetown	Coast		T.	T.	.95	T.				3.55	T.						.15			2.00								T.	.75				7.40
Kingstree	Black	.35		.30	1.04	.83					.63							.16			.33									.60			4.24
Pinopolis	Cooper	.04	.80	.43	1.90					.70						.20		.38	.10	.80	.12								.54				6.01
Rimini	Santee			2.30	1.80	1.64		.03		T	2.95							.20		.10	.23									.65			9.90
St. George	Edisto	.12		1.55	.52	1.30	.03				3.20						.23	.28		.30	.20									.90			8.63
St. Matthews	Santee			.14	.40	1.25		.30			1.20									.57	.27									.90			5.03
Smiths Mills	Pedee			.08	1.60	.40			.05		.85							.33		.03										.50			3.84
Society Hill	do	.15	.47		3.00			.05																					.90		.03		4.60
Summerville	Ashley	.01	.14	.70	.59	.04			T.		2.14					.13	.06	.56		.06	1.75								.49	1.09			7.76
Walterboro	Ashepoo		.05	.41	2.00	.05			T.		1.74					.02	.76		.06	.28							.16		.42	.06			6.01
Yemassee	Combahee	.21		.08	.65	1.21		.08			.85							.22			.36									.34			4.00
Western Portion.																																	
Aiken	Edisto				.85			.70				.70				.20	.11	.05											1.80	.10		.05	4.56
Anderson	Savannah	.08	.12	.34	1.38	.03		.96		.23						.57	.15	.02										.33	1.20				5.41
Batesburg	Edisto			1.04		.23		.95			.12	3.66		T.			.28	.74										T.		1.80		T.	8.82
Blairs	Broad		.12	.29		1.51		.90									.83	.34										.52		1.25			5.76
Calhoun Falls	Savannah		.12	1.01		.12					.09				.06	.04													.91	.33		T.	2.68
Camden	Wateree		.40	.17	.08	.06				.02	.52						.22	.02	.03	.03										.46			2.01
Catawba	Catawba		.82	.10		1.09		.50	2.30							.08	.43	.03										.18	.22				5.75
Chappells ‡	Saluda			.10		.15					.05			1.30		.30	.18			.43										.23			2.74
Clemson College	Savannah				1.08	.38				1.02							.05	.01											1.41				3.95
Columbia ***	Congaree		.30	.05	.04		.06	1.29	.13	1.21						.28	.19	.03	.02	T							T.		.80	.01	T.		4.41
Edgefield	Savannah				2.30	.25		.34			1.10						1.75	.60											.70	1.50	.40	.25	9.19
Gaston Shoals ‡	Broad		.03	.15	T.	T.	T.	.85	.01	.11				.51	T.	.51	.13		.03	.02								.20		.20			2.75
Greenville	Saluda		.31			.83	.44	.03		.47	.07					.22	.18		.04	T.										1.00		.05	3.64
Greenwood	do		.08	.24		.42		1.48									.12													1.46			3.80
Heath Springs	Wateree		.83			.78		.48	.75	.11					.15	.54	.03												.79				4,46
Liberty	Savannah	.05	.02				.02	T.		.02	.30		T.		.02	.06	.14	.02	1.02		T.						T.	.07	.50	T.	T.		2.24
Little Mountain	Saluda		1.00		.10			.23								.21	.50						.88	.96							T.		3.88
Meriwether	Savannah		T.	1.17	1.83		T.	.62		.03	.24	T.		.18		.15	.04	T.		.12							.10	T.	1.10		.75		6.33
Monetta	Edisto		.39	.17	.27			.70			.40	.85				.25	.70	.01										.01	2.34	.01		.14	6.28
Newberry	Saluda		.68		.10			.43		.01						.40	.04	.02	.12										.77			.02	2.59
Pelzer	do		.20			.32	.48	.62	1.32		.40					.18	.62	.04	T.									.26		1.48			5.92
Saluda	do	.48		.31			.44	.13		.15	.10		.07			.77	.71												1.01			.11	4.28
Santuck	Broad		.29		.39	.19	T.	.15	T.	.45						.75	T.	T.		T.							T.		2.10		T.		4.32
Spartanburg	do		.07	T.		.15		.65	T.	.03	.20					T.	.40	T.	.02									.40		.22		.15	2.27
Trenton	Edisto		.85	.84	1.24		T.	.35	.64	T.						.98	.66	.06										.87	1.18		.12		7.79
Winnsboro	Broad	.75	1.98				.75	1.00	.10							.52																	5.10
Winthrop College	Catawba		.65	.12		1.10		2.25	2.00	.51						.55	.15			.40									1.30				9.03

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. * Precipitation included in the next following measurement.

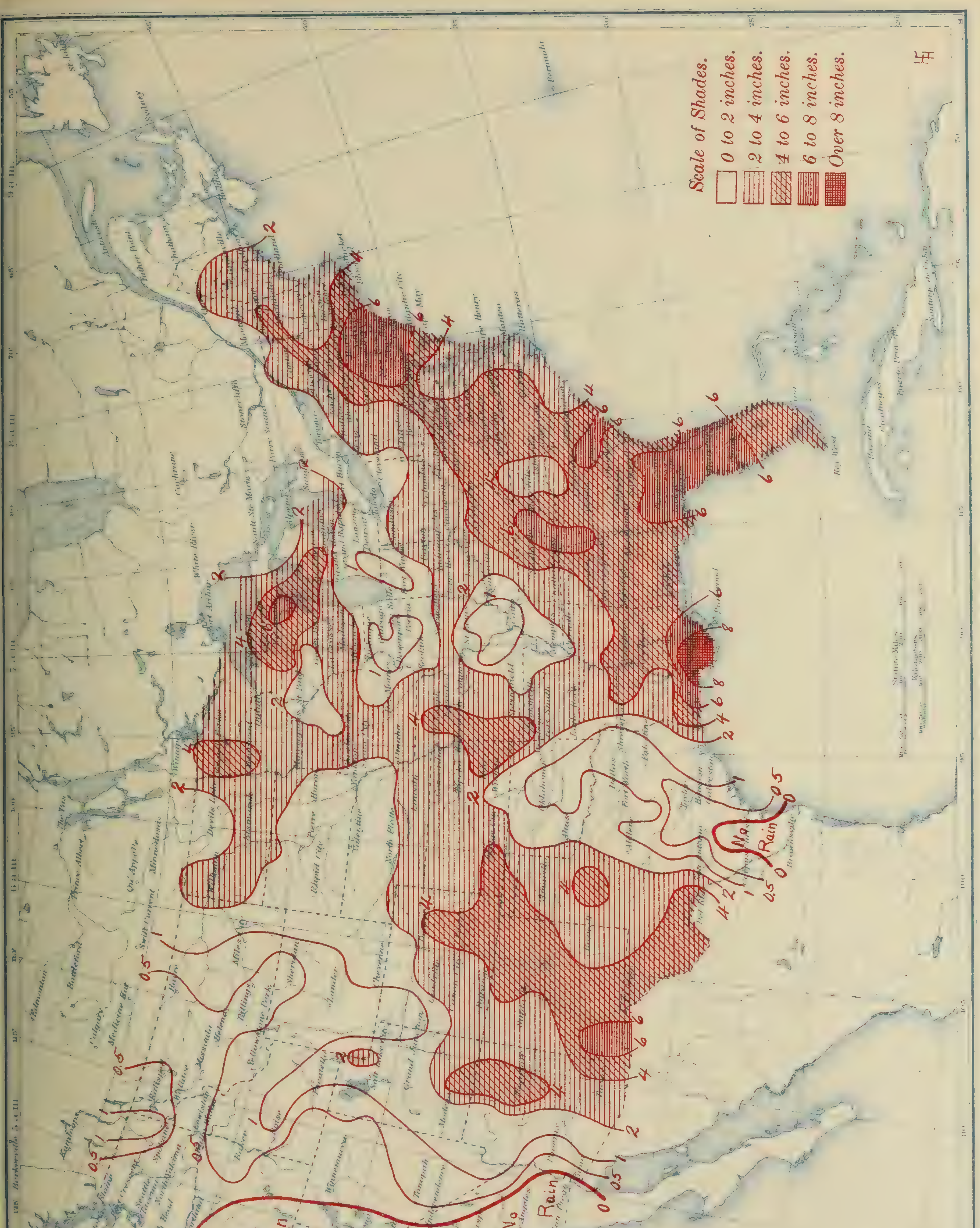
*** Regular Weather Bureau station; precipitation is for the 24 hour period, midnight to midnight.

‡ Separate dates of falls not recorded. T Trace, or less than 0.01 inch.

Daily Temperatures for July, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91	91	[illegible]	[illegible]	[illegible]	100	97	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	89	[illegible]	[illegible]	[illegible]	102	104	[illegible]	[illegible]	[illegible]	[illegible]	86	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67	[illegible]	62	69	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Beaufort	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	82	82	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Blackville §§	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	65	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	59	[illegible]	[illegible]
Bowman	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	90	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	68	66	[illegible]
Charleston	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	82	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	72	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74.1
Cheraw §§	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91.6
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	62	[illegible]	[illegible]
Conway §§	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	59	58	[illegible]
Darlington §§	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71	[illegible]	[illegible]
Dillon	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91	96	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71	72	59	61	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58	[illegible]
Ferguson §§	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	72	[illegible]	[illegible]	[illegible]	[illegible]
Florence §§	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	90	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	70	65	[illegible]	[illegible]	[illegible]	[illegible]	67	70	74	75	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57	[illegible]
Georgetown	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	90	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Kingstree §§	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
St. George §§	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	87	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	72	[illegible]	[illegible]	62	[illegible]
St. Matthews §§	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	98	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	63	70	[illegible]	[illegible]	[illegible]	73	[illegible]	[illegible]	60	[illegible]
Society Hill §§	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	85	[illegible]	[illegible]	88	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	65	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57	[illegible]	57	[illegible]
Summerville	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	71	71	70	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70	72	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73	73	[illegible]	61	[illegible]	[illegible]
Walterboro	Maximum	[illegible]	[illegible]	92	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67	68	[illegible]	[illegible]	[illegible]	71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	72	[illegible]	[illegible]	[illegible]	[illegible]
Yemassee §§	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	87	89	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	96	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	72	[illegible]	63	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Western Portion.																																	
Aiken	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97	83	[illegible]	[illegible]	92.1
	Minimum	[illegible]	[illegible]	71	69	[illegible]	[illegible]	62	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Anderson	Maximum	[illegible]	[illegible]	94	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94	[illegible]	[illegible]	94	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Batesburg §§	Maximum	95	91	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97	91	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	87	91	[illegible]	[illegible]	[illegible]	[illegible]	98	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71	[illegible]	70	67	[illegible]	[illegible]	[illegible]
Camden §§	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91	[illegible]	[illegible]	[illegible]	96	97	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	105	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	71	70	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Clemson College	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	87	91	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	72	72	70	[illegible]	[illegible]	[illegible]	[illegible]	66	[illegible]	[illegible]	[illegible]	69	76	[illegible]	[illegible]	[illegible]	[illegible]	72	[illegible]	70	[illegible]	[illegible]	[illegible]	[illegible]	61	71	72	67	[illegible]	[illegible]	[illegible]
Columbia	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91	[illegible]	[illegible]	[illegible]	96	93	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	92	100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	71	[illegible]	[illegible]	[illegible]	65	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73	[illegible]	[illegible]	[illegible]	72	[illegible]	[illegible]	[illegible]	[illegible]	71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Greenville §§	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	66	60	58	[illegible]
Greenwood §§	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91	95	[illegible]	[illegible]	90	86	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67	70	[illegible]	74	69	69	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Heath Springs	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	96	[illegible]	[illegible]	94	[illegible]	[illegible]	100	101	[illegible]	[illegible]	[illegible]	83	75	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	68	[illegible]	[illegible]	72	[illegible]	[illegible]	[illegible]	71	[illegible]	62	61	[illegible]	[illegible]	70	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Liberty	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	93	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	95	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70	71	61	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	69	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Little Mountain	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97	[illegible]	[illegible]	92	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91	[illegible]	[illegible]	101	[illegible]	[illegible]	[illegible]	90	88	[illegible]	86	92.3
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75	63	[illegible]	70	69	69	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70	70	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91	[illegible]	91	[illegible]	97	[illegible]	[illegible]	[illegible]	[illegible]	100....	[illegible]	86	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70.....	[illegible]	60	[illegible]	[illegible]
[illegible]	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	87	88	[illegible]	94	[illegible]	[illegible]	[illegible]	[illegible]	96	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71	71	[illegible]	64	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70	62	[illegible]	[illegible]
[illegible]	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	93	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	92	[illegible]	[illegible]	95	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	69	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70	69	[illegible]	[illegible]	[illegible]
[illegible]	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	95	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	90	95	95	[illegible]	[illegible]	105	105	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67	[illegible]	[illegible]	[illegible]	73	[illegible]	70	71	69	[illegible]	63	61	61	[illegible]	61	[illegible]	61	[illegible]	[illegible]	70	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Maximum	99	91	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91	[illegible]	94	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	66	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	66	60	[illegible]	[illegible]
Spartanburg §§	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91	[illegible]	[illegible]	[illegible]	101	[illegible]	[illegible]	[illegible]	92	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Trenton	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	96	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	93	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	64	61	[illegible]	[illegible]
Walhalla	Maximum	95	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	92	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	62	[illegible]	[illegible]	[illegible]	[illegible]	72	[illegible]	[illegible]	[illegible]	67	67	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Winthrop College	Maximum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71	73	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73	[illegible]	[illegible]	[illegible]	[illegible]	67	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] record. [illegible] instruments are read in the morning; [illegible] read is charged to the [illegible]


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
No Rain
No Rain
No Rain

MISCELLANEOUS PHENOMNA.—Continued.

(CONTINUED FROM PAGE FIFTY-ONE.)

Lightning, Deaths and Damage.—At Greenville on the 9th, a negro was killed by lightning during a thunderstorm; on the 28th, a young lady and a negro were terribly shocked by lightning, and 100 telephones were put out of order.

Rainbow (Date).—Columbia, 16.

DESTRUCTIVE HAILSTORMS ON JULY 6-7, 1914.

Probably the most extensive series of disastrous thundershowers and hailstorms that ever visited the plantations of South Carolina occurred in the upper Piedmont of the State on July 6-7, 1914. These disturbances were incident to a moderate barometric depression that appeared off the south Atlantic coast during the night of July 4-5, and disappeared over the the Gulf of St. Lawrence by the morning of the 9th.

The series of hailstorms appear to have begun over Anderson and Newberry counties; the centers of disturbances then advanced northward over Laurens and Spartanburg counties and eastward over Cherokee County, culminating in extreme violence over an extensive area of York County, estimated at 80 to 100 square miles, of which approximately one-half was planted to staple crops. In the latter section the fall of hail continued about one-half hour, while in other portions of the stricken districts the time limit ranged from 10 to 20 minutes.

The damage was caused principally by immense quantities of of hailstones about the size of ordinary marbles. In Cherokee County there were many stones the size of guinea eggs, while in Spartanburg County some stones as large as goose eggs were reported. It might be well to remark, however, that such sizes as the latter are very rare. The writer some years ago was able to obtain a number of immense hailstones from two violent storms that occurred in another part of the country, and the measurements of the two largest of these ranged from 9.25 to 9.50 inches in circumference. Such stones fall rather loosely, or only here and there in widely scattered areas; their construction shows much more snow and considerably less ice than those of the smaller round, gnarled types, and the damage is never so great from these as from the smaller sizes, which often fall in countless numbers. In York County, in the heavy wash incident to excessive rains, accumulations of hailstones were noted that measured in depth from 2 to 4 feet in some of the pockets, and many banks of hail or ice were still visible until the late afternoon of the 7th.

Before reaching the vicinity of greatest destruction the storms seemed to dip and rise after the manner of a bounding tornado. In Laurens, Spartanburg and Cherokee counties the paths ranged in area from 1 by 6 miles and 2 by 5 miles to 2 by 8 miles, and the first-named county there were two distinct hail belts ranging from 2,500 to 3,500 acres in extent. In York County the area ranged from 1 1-2 to 5 by 25 miles in a broad belt extending from near Catawba, S. C., to near Stanley, N. C. The center of maximum energy appears to have been a few miles north of Rock Hill. In this area the losses of 34 planters are estimated at 94 per cent of the planted crops, while in adjoining areas the losses taper off to 90 per cent and thence down to 50 per cent or less in a region approximating 40,000 acres, controlled by 2,000 or more planters.

Cultivation of damaged fields began as soon as possible after the storms, but where cotton was strong in stalk or corn well in ear, the plants that had been cut to within a few inches of the ground could not recover. Coming in mid-season as these storms did, when the staple crops were developing to fruitage, the losses have fallen with especial severity on the planters of the affected areas. And in consequence of the late season they can only resort to fodder corn, cane, millet, peas, beans, vegetables and forage crops that can mature before autumn frosts in order to stay demands until another growing season returns.

An average that has been drawn from careful estimates of general losses made by a number of conservative business men, planters and agricultural experts shows the following values:

Cherokee County: $35,000, or about 50 per cent loss on crops of 2,500 acres.

Laurens County: $150,000, or about 60 per cent to 90 per cent loss on crops of 6,000 acres.

Spartanburg County: $40,000, or about 75 per cent loss on crops of 2,500 acres.

York County: $730,000, or 90 per cent to 94 per cent on crops of about 20,000 acres, and 90 per cent scaling down to 50 per cent loss or less on crops of about 20,000 acres additional.

Of the $955,000 approximate losses in the above counties, as indicated at the close of July, cotton is estimated to comprise 67 per cent; corn, 23 per cent; truck and forage, 10 per cent.

R. H. S.

Errata—June, 1914.

BEAUFORT. Number of rainy days (page 44) should be 7.
WALTERBORO.—Total precipitation (pages 44, 45) should be 4.34.

COMPARATIVE DATA FOR JULY.

Year.	Temperature.			Precipitation.		Average number of days—			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Pt. Cldy.	Cloudy.	
1887	82.0	110	60	7.49	14	....	....	....	....
1888	78.9	108	53	3.68	8	....	....	....	sw.
1889	79.5	102	51	7.13	13	....	....	....	sw.
1890	78.4	104	52	6.88	12	....	....	....	sw.
1891	77.9	93	56	5.95	....	....	....	....	sw.
1892	78.9	102	51	7.44	....	....	....	....	sw.
1893	82.0	104	60	3.87	9	13	14	4	sw.
1894	77.7	100	55	8.24	16	8	12	11	sw.
1895	79.5	102	54	4.17	8	10	15	6	sw.
1896	80.7	105	51	8.17	13	10	13	8	sw.
1897	80.2	107	54	5.01	11	13	12	6	sw.
1898	80.0	102	54	7.81	14	10	10	11	sw.
1899	80.0	105	47	4.03	9	12	11	8	sw.
1900	81.2	104	55	4.08	9	14	11	6	sw.
1901	81.4	102	62	4.52	10	12	12	7	sw.
1902	80.8	107	58	3.79	9	15	11	5	sw.
1903	80.4	103	45	3.59	8	18	9	4	sw.
1904	79.4	105	50	5.96	12	13	12	6	sw.
1905	80.4	101	60	6.16	12	13	10	8	sw.
1906	78.4	100	56	8.40	16	5	17	9	sw.
1907	81.4	106	56	5.06	11	13	13	5	sw.
1908	79.8	100	60	5.43	12	12	13	6	s.
1909	78.6	104	55	4.92	10	13	12	6	sw.
1910	79.4	102	58	5.83	13	9	15	7	sw.
1911	79.8	102	53	3.79	10	12	13	6	sw.
1912	79.6	102	58	5.22	11	14	10	7	sw.
1913	81.9	109	56	4.78	9	15	9	7	sw.
1914	80.0	107	53	5.56	9	14	13	4	sw.
Averages	79.9	110	45	5.16	11	12	12	7	sw

MISCELLANEOUS DATA FOR JULY, 1914.

Stations.	Barometer—sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Sunshine—total hours.	Relative humidity—per cent.	Wind.	
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.			Average hourly velocity—miles.	Prevailing direction.
Asheville, N. C.	30.03	72.3	90	53	3.31	0.98	328.0	77	5.4	nw.
Augusta, Ga.	30.02	80.8	102	64	6.39	1.62	297.0	73	5.3	se.
Charleston, S. C.	30.02	81.0	96	69	7.14	2.88	328.1	74	9.5	sw.
Charlotte, N. C	30.02	78.4	100	56	4.83	1.46	322.6	70	5.4	sw.
Columbia, S. C.	30.01	80.2	102	61	4.41	1.35	273.1	74	6.1	s.
Savannah, Ga.	30.03	81.0	100	69	1.85	0.59	292.9	77	9.9	sw.
Wilmington, N. C.	30.01	79.4	99	60	2.38	1.46	308.8	78	7.5	sw.
Averages	30.02	79.0	102[a]	53[a]	4.33	2.88[b]	307.2	75	7.0	sw.

[a] Extremes.
[b] Greatest.

.05 Stack
SC

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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

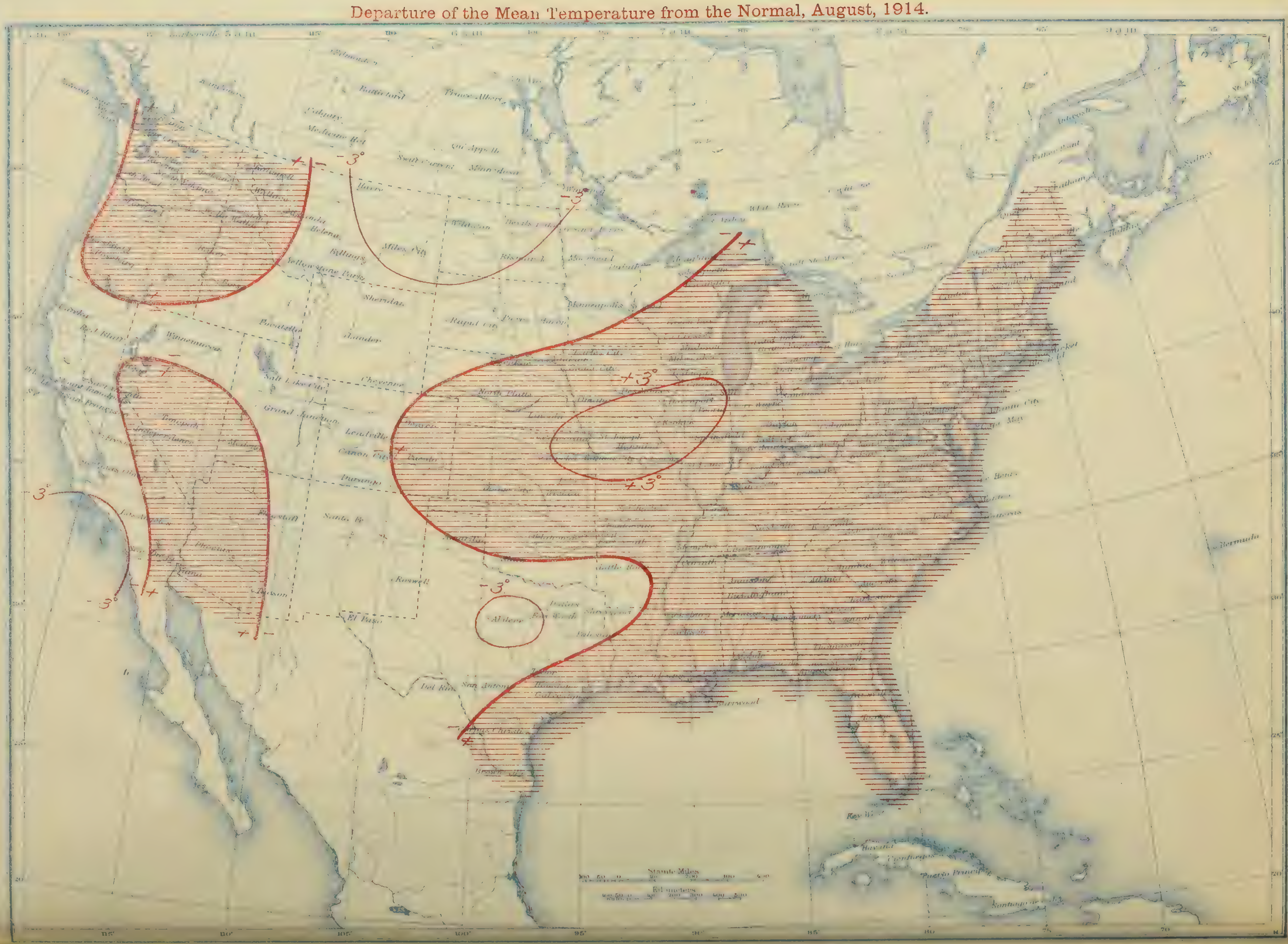
SOUTH CAROLINA SECTION

AUGUST, 1914

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
October 7, 1914.

Departure of the Mean Temperature from the Normal, August, 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

Vol. XVII. Columbia, S. C., August, 1914. No. 8

GENERAL SUMMARY.

The weather was generally seasonable during August, except excessive rains during the first half of the month at many points on the coastal plain and considerably less than the normal amount of rainfall in the upper drainage areas of the Santee and Savannah river systems. In consequence of plentiful rains during the early part of the month much of the damage resulting from excessive heat during the latter part of July was repaired, and the condition of all crops showed much improvement. As the month progressed drenching rains in practically the whole Section still further improved the crop situation, although complaints of shedding in cotton increased in number. Early and late plants were fruiting well, and picking began in the more southern counties toward the middle of the month. Late corn, truck, forage and pastures advanced rapidly, and watermelons were especially abundant. However, there was local damage to forage crops of Charleston County from a visitation of the army worm. Continued heavy rains locally on the coastal plain were detrimental to cotton and interfered with haying, while many truck fields could not be plowed; but late corn, forage and pastures showed additional improvement. On account of previous drought, much of the early upland corn had passed beyond recovery. Toward the close of the month cotton was opening rapidly, and picking became general; but there was still considerable complaint of shedding, due principally to local rains followed by excessive heat. The month closed with very good prospects for late corn and cotton, and fall truck, forage and pastures were in good condition.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.07 inches. The highest pressure in the region covered by reports was 30.21 inches at Charleston, S. C., and Wilmington, N. C., on the 11th; lowest, 29.90 inches at Columbia, S. C., on the 3d and at Augusta and Savannah, Ga., on the 4th.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 38 stations, was 79.0°, or 0.2° above the established normal. The highest temperature of the current month was 101° at Allendale, Barnwell County, on the 28th, 30th and 31st. The warmest periods of the month were on the 28th and 29th over the eastern portion, and between the 19th and 27th over the western portion. The lowest temperature was 56° at Heath Springs, Lancaster County, on the 1st. Contrary to the usual seasonal advance, the coolest weather of the month occurred generally over the Section on the first, and the cool period lasted nearly a week over much of the western portion.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 87 per cent; 8 p. m., 80 per cent. The highest average percentages occurred over the extreme eastern counties, and the lowest, over the central coast region, in the middle Savannah drainage area and in the north-central counties.

PRECIPITATION.

The average for the Section, 50 stations reporting, was 5.88 inches, or 0.44 inch below the established normal. As a whole, the precipitation was well distributed over the Section, especially during the first half of the month; during the latter half, however, the showers were less copious and more widely scattered as to time and area. Heavy rains were by far the most numerous on the coastal plain, where the amounts ranged generally between 8 and 13 inches or over; in an extensive area comprising large portions of the Broad, Congaree, Saluda, and upper Savannah drainage basins the monthly amounts ranged below 4 inches, with conditions bordering on drought at intervals. The greatest amount locally was 13.70 inches at Smiths Mills, Georgetown County; least monthly amount, 2.52 inches at Gaston Shoals, Cherokee County. The greatest rainfall during any 24 hours was 3.84 inches at Smiths Mills, Georgetown County, on the 1st and 2d. The average number of days with appreciable amounts of precipitation was somewhat above the normal.

WIND.

The prevailing winds were from the southwest. The average hourly velocity, determined from 7 anemometer records, was 6.2 miles. The highest average velocity in the region covered by reports was 8.6 miles per hour at Savannah, Ga., and the lowest, 4.9 miles per hour at Augusta, Ga. In the Section proper the averages ranged from 7.7 miles per hour at Charleston down to 6.0 miles per hour at Columbia. The highest velocity for any 5-minute period was 40 miles per hour from the southwest at Augusta, Ga., on the 2d. In the Section proper the maximum winds ranged from 28 miles per hour from the southwest at Columbia on the 29th down to 26 miles per hour from the northwest at Charleston on the 2d.

SUNSHINE AND CLOUDINESS.

The total hours of sunshine, determined from 7 automatic records, was 228.1, or 55 per cent of the possible amount. The average number of clear days was 9; partly cloudy, 15; cloudy, 7; as against normals of 12, 11, and 8 days, respectively.

(CONTINUED ON PAGE 64.)

Climatological Data for August, 1914.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of days. With precipit on. (0.01 in. or more)	Clear.	Part cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Eastern Portion.																				
Allendale	Barnwell	186	25	78.7	−1.8	101	† 28	65	1	32	4.56	−1.26	1.20	0	9					S. B. Rouse.
Beaufort	Beaufort	21	27	[a]78.9	−2.2	91	† 26	65	† 1	22	10.37	+3.33	2.70	0	12	10	16	5	sw.	Miss Lillian H. Rice.
Blackville	Barnwell	296	25	80.2	−0.4	98	13	63	1	30	6.69	+0.95	1.76	0	18					Mrs. D. B. Sanders.
Bowman	Orangeburg	160	11	78.8	−0.7	96	27	63	3	27	5.69	−0.25	0.64	0	21	18	11	2	sw.	B. O. Evans.
Charleston	Charleston	48	43	81.3	+1.0	95	27	71	5	17	4.43	−2.54	1.73	0	12	4	13	14	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	24	79.5	+0.9	97	25	62	1	27	6.18	−0.55	2.23	0	17					J. H. Powe.
Conway	Horry	25	28	79.2	−0.1	94	27	57	1	28	13.19	+6.41	2.42	0	14					Paul Quattlebaum.
Darlington	Darlington	175	18	79.4	+0.6	97	26	63	† 2	29	4.90	−0.23	1.85	0	11	13	7	11		D. C. McCall.
Dillon	Dillon	100	10	[a]79.0	−0.4	97	26	57	1	33	4.94	−0.23	1.09	0	16					A. E. Rowell.
Edisto ‡‡	Bamberg	143	26								6.09	−0.24	1.17	0	18					Nathan Jenkins.
Effingham	Florence	106	21								4.29	−2.21	1.50	0	8					H. B. McCall.
Ferguson	Orangeburg	63	28	79.2	+1.0	97	27	62	17	29	9.74	+2.52	1.80	0	13					Joseph P. Simons.
Florence	Florence	136	25	79.6	−0.8	100	27	58	1	32	4.19	−1.39	0.73	0	10					H. K. Gilbert.
Georgetown	Georgetown	12	19			98	26				8.05	+1.20	1.10	0	11	1	30	0		A. P. Hazard.
Kingstree	Williamsburg	54	25	80.1	+0.4	95	† 24	61	† 1	29	10.38	+4.06	2.24	0	16					A. O. Matthews.
Pinopolis **	Berkeley	54	20	77.6	−0.5	92	27	70	6		7.09	+0.51	1.18	0	17	6	1	24	sw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	4								6.66		2.08	0	15					William B. Wolfe.
St. George	Dorchester	109	25	79.6	−0.4	98	27	64	1	28	5.35	−1.16	1.10	0	14					Geo. N. Snelling, M. D.
St. Matthews	Calhoun	269	25	78.8	−0.6	96	† 26	61	† 1	26	6.59	+0.89	1.85	0	15					J. S. Wannamaker.
Smiths Mills	Georgetown	62	18								13.70	+6.92	3.84	0	15					W. G. Walker.
Society Hill	Darlington	192	22	79.9	+1.5	98	24	62	30	30	6.72	+0.80	1.90	0	12	5	26	0	sw.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	16	79.1	−0.1	94	27	64	1	21	5.87	−2.22	1.29	0	18	0	27	4	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	11	[a]80.2	−0.1	96	27	66	† 1	23	9.34	+2.56	1.90	0	17	11	10	10		J. A. Westerberg.
Yemassee	Hampton	24	18	78.7	−1.5	95	27	62	1	27	6.76	+0.08	1.13	0	17					J. G. Hutson.
Division means and extremes				79.4	−2.3	101	† 28	57	1	33	7.16	+0.78	3.84	0	14	7	16	8	sw.	
Western Portion.																				
Aiken	Aiken	527	19	[a]78.5	−1.9	95	28	65	1	26	6.80	+0.98	1.70	0	12	7	20	4	se.	W. M. Brown.
Anderson	Anderson	764	12	79.5	+1.6	98	22	60	1	29	3.68	−1.94	0.99	0	11					H. H. Russell.
Batesburg	Lexington	656	25	77.3	−1.5	92	† 23	62	1	23	5.89	−0.13	1.33	0	13					E. J. Hite.
Blairs	Fairfield	293	8								4.79		1.20	0	9					J. N. Owens.
Calhoun Falls	Abbeville	508	21								2.83	−2.73	1.37	0	7					L. M. Parker.
Camden	Kershaw	222	47	77.2		94	† 12	61	1	24	8.84	+3.39	1.41	0	17	13	12	6		W. C. Brown.
Catawba	York	562	8								5.65		1.86	0	14					James C. Faris.
Chappells	Newberry	402	9								7.81		2.00	0	11					J. J. Murran.
Clemson College	Oconee	850	22	78.0	+0.2	89	† 21	62	6	22	4.47	−1.01	0.75	0	14	10	21	0	w.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	27	79.4	−0.1	94	26	67	1	22	3.44	−3.34	1.10	0	13	3	18	10	s.	U. S. Weather Bureau.
Edgefield	Edgefield										3.40		0.80	0	14					T. L. Timmerman.
Gaston Shoals ‡‡	Cherokee	680	1								2.52		0.83	0	12					Harry A. Parshall.
Greenville	Greenville	989	21	77.2	+1.3	92	† 12	61	† 1	24	5.55	−0.51	1.41	0	15	10	14	7	sw.	Spartan Goodlette.
Greenwood	Greenwood	671	25	77.7	−1.2	92	† 25	60	1	21	4.72	−0.67	1.53	0	7					M. M. Calhoun.
Heath Springs	Lancaster	568	12	77.0	−2.7	93	24	56	1	29	5.46	−0.97	1.60	0	10	8	15	8	w.	J. Marvin Bowers.
Liberty	Pickens	900	19	78.4	+0.7	95	† 19	62	6	29	3.52	−2.58	1.18	0	15	21	8	2	sw.	John T. Boggs.
Little Mountain	Newberry	711	20	79.2	−0.2	94	† 22	67	† 3	23	3.89	−1.03	0.83	0	10	17	10	4	sw.	J. M. Sease, M. D.
Meriwether	Edgefield		10	80.1	+2.5	97	27	66	† 6	27	5.72	+0.94	2.38	0	9	3	5	23		William S. Middleton.
Monetta	Saluda	400	7	78.8		96	23	66	† 1	26	3.86		1.10	0	14	0	23	8	sw.	Joseph M. Johnson.
Newberry	Newberry	502	26	80.2	+1.0	98	24	66	† 1	27	3.91	−1.86	0.88	0	14	1	21	9	sw.	Warren G. Petterson.
Pelzer	Anderson	850	10								4.62	+0.13	0.96	0	13					Joshua Y. Jones.
Saluda	Saluda	536	11	80.1	+0.7	98	26	[a] 65	† 1	[a]29	4.20	−1.80	0.85	0	13	19	7	5	s.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	19	79.4	+0.9	97	† 19	64	1	29	3.62	−2.31	0.65	0	13	4	22	5	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	22	78.8	+0.4	95	† 14	60	1	27	4.92	+1.03	2.26	0	10					F. P. Robinson.
Trenton	Edgefield	620	20	78.6	−1.0	94	31	65	1	26	6.04	−0.46	1.75	0	12	13	12	6	s.	C. A. Long.
Winnsboro	Fairfield	545	24	78.0	−0.2	92	† 12	65	† 5	24	4.11	−1.88	1.00	0	8	9	20	2	se.	J. W. Seigler.
Winthrop College ‡‡	York	690	13	79.3	+0.7	98	21	63	1	28	4.62	−1.50	1.60	0	5	2	29	0	sw.	W. P. Goodman.
Division means and extremes				78.6	+1.8	98	† 22	56	1	29	4.69	−0.96	2.38	0	12	9	16	6	sw.	
State means and extremes				79.0	−0.2	101	† 28	56	1	33	5.88	−0.44	3.84	0	13	9	15	7	sw.	

The departures from the normal temperature and precipitation are computed for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb: means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch rain or melted snow

Daily Precipitation for August, 1914.

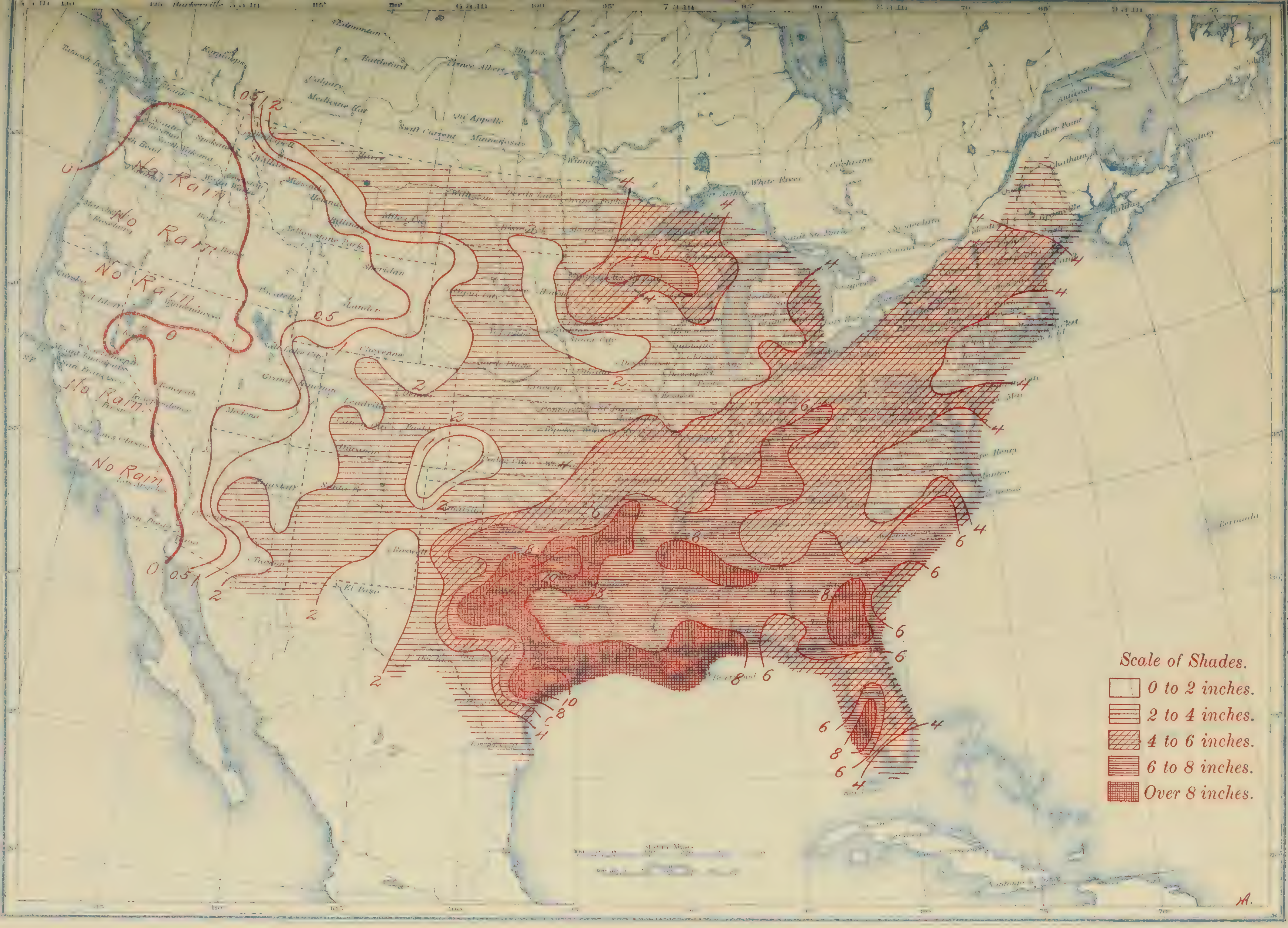
Stations.	Watershed.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ‖	Savannah	....	.20	.08	.20	1.20	.33	.87	.20	1.05	....	....	....	....	....	.43	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4.56
Beaufort	Coast	2.70	....	.10	.41	2.00	1.80	....	.20	.17	....	....	....	.75	.66	....	....	....	.33	.80	....	....	....	....	....	....	....	....	....	.45	....	....	10.37
Blackville ‖	Edisto	.39	.40	.54	.15	1.23	.19	.01	.17	.10	....	....	.05	.09	.07	.04	....	....	.45	....	....	.13	....	.55	....	.04	....	....	.15	.18	1.76	....	6.69
Bowman	do	.08	.34	.28	.29	.64	.40	.22	.28	.17	.20	.35	.40	.46	.12	....	.18	.20	.24	.16	....	....	....	....	....	....	....	.16	.42	.10	....	....	5.69
Charleston ***	Coast	T.	.56	.23	.75	1.01	.14	T.	....	.54	....	....	T.	T.	.14	....	....	.19	.53	.15	.17	....	....	....	....	....	....	....	....	.02	T.	....	4.43
Cheraw ‖	Pedee	....	....	.33	.06	.59	.26	....	.02	.04	2.23	....	.01	....	.28	.61	....	....	....	....	....	.03	....	....	....	....	.05	.12	1.55	....	....	....	6.18
Conway ‖	Waccamaw	....	.15	2.27	.97	1.59	1.10	.80	.77	.56	.61	....	....	T.	.14	.99	....	.21	T.	....	....	....	....	....	....	.95	....	....	1.97	....	.11	....	13.19
Darlington ‖	Pedee	....	.05	.22	.25	.85	.12	....	.	.05	1.85	....	....	....	.39	.55	....	....	....	....	....	.03	....	....	....	....	....	....	.54	....	....	....	4.90
Dillon	Little Pedee	T.	1.18	.62	.12	.51	.12	.02	.04	1.09	T.	....	....	.18	.58	....	....	.01	....	....	.12	T.	.22	T.	....	T.	....	.06	.04	.03	T.	....	4.94
Edisto ‖‡	Edisto	.06	.04	.45	.12	.75	.08	.08	.37	1.17	.22	.13	....	.10	.14	....	....	.16	....	....	.07	....	....	....	....	.90	....	....	....	.65	.60	....	6.09
Effingham ‖‖	Lynches	....	....	.15	.65	.69	T.	....	T.	....	1.50	....	....	....	.65	.30	T.	....	....	....	....	....	....	.10	....	....	....	....	.25	....	....	....	4.29
Ferguson ‖‖	Santee	....	....	.66	1.48	1.42	.23	.49	.12	.55	.20	....	....	....	.56	.33	....	1.22	1.80	....	....	....	....	....	....	....	....	....	....	....	.68	....	9.74
Florence ‖‖	Pedee	....	....	.12	.43	.42	.35	....	T.	....	.52	.20	....	....	.42	.30	....	....	....	....	....	.50	....	....	....	.20	....	....	.73	....	....	....	4.19
Georgetown	Coast	....	.95	.75	.90	.95	.55	.65	T.	.55	.65	....	....	.20	....	1.10	.80	....	T.	T.	....	....	....	....	....	....	....	....	T.	....	....	....	8.05
Kingstree ‖‖	Black	....	....	.08	2.24	1.50	.63	.15	.26	.67	.13	....	....	....	.14	.17	....	.34	1.06	....	....	.50	....	....	....	.40	....	....	1.44	....	T.	.67	10.38
Pinopolis	Cooper	.24	....	....	.16	1.15	.62	.18	1.04	.21	....	....	.08	.09	.23	....	.65	.80	....	.02	.25	....	....	.02	1.18	....	....	....	....	.17	....	....	7.09
Rimini	Santee	....	.05	.33	1.39	2.08	.20	....	.28	.45	.34	.42	....	.02	.54	.06	....	.23	....	....	....	....	....	....	....	....	....	....	.25	....	.02	....	6.66
St. George ‖‖	Edisto	....	....	1.10	.14	.53	.22	.36	.63	.20	.08	....	....	....	.20	.12	....	....	....	....	1.00	.62	....	....	....	.05	....	....	.10	....	....	....	5.35
St. Matthews ‖‖	Santee	....	.30	.30	1.85	.90	.35	.02	.09	.20	.30	....	....	.47	.04	....	....	.65	....	....	....	....	....	....	....	.15	....	....	.90	....	....	.07	6.59
Smiths Mills ‖‖	Pedee	....	.63	3.84	1.10	1.55	.30	.75	.73	.15	.28	....	....	....	....	1.75	....	.20	....	....	....	....	.25	....	....	.42	....	....	1.67	....	.08	....	13.70
Society Hill ‖‖	do	.03	1.00	.42	.37	.05	T.	.02	T.	.20	....	....	T.	1.62	1.90	..	....	....	....	....	.40	....	....	....	....	.30	....	.41	....	....	....	....	6.72
Summerville	Ashley	.03	.31	.07	1.10	1.29	.74	.02	.83	.57	.10	T.	....	.17	.02	.33	.05	.05	.06	.07	T.	T.	....	....	T.	....	....	....	T.	.06	....	....	5.87
Walterboro	Ashepoo	.10	.13	1.17	.59	1.65	.78	.01	.89	.50	....	....	....	.04	....	.77	1.90	.01	.15	....	.52	....	....	.05	....	....	....	....	.05	.03	....	....	9.34
Yemassee	Combahee	T.	.22	.17	1.13	.70	.93	.15	.15	.58	.37	....	....	....	.32	.72	....	.14	....	.16	.13	....	.02	....	.87	....	....	....	....	T.	.02	....	6.76
Western Portion.																																	
Aiken	Edisto	.95	1.70	.15	.75	.60	.05	.60	.05	....	....	.05	....	....	....	.10	....	1.25	....	....	....	....	.55	....	....	....	....	....	....	....	....	....	6.80
Anderson	Savannah	....	....	....	.07	.05	....	....	....	.90	.07	.03	....	.99	.49	....	....	....	....	....	....	....	....	....	....	.15	....	.23	....	.70	....	....	3.68
Batesburg ‖‖	Edisto	....	....	.47	.52	.64	.33	....	.40	.12	.15	.73	.03	....	1.33	.37	....	....	....	....	.29	T.	....	.51	....	....	....	....	....	....	....	....	5.89
Blairs ‖‖	Broad	.15	1.05	....	.25	.55	.10	....	....	....	.07	.83	....	....	.28	.69	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.82	....	4.79
Calhoun Falls	Savannah	....	....	....	.03	....	.02	....	....	....	1.09	1.37	....	....	....	....	.03	....	....	....	....	....	....	.06	....	....	....	....	....	....	.23	....	2.83
Camden ‖	Wateree	....	1.10	....	....	1.26	.24	.04	.18	.84	.65	....	.40	....	1.41	.28	....	.02	....	....	....	.10	....	.06	.35	....	.98	....	.90	....	.03	....	8.84
Catawba	Catawba	.04	.16	1.19	....	....	....	.03	.20	....	.17	1.12	....	.02	.05	.27	....	....	....	....	....	....	....	....	....	.04	.05	.45	1.86	....	....	....	5.65
Chappells ‖‖	Saluda	....	.70	....	2.00	.12	....	....	.14	.20	.27	.89	....	....	.60	1.85	....	....	....	....	....	....	....	1.00	....	....	....	....	....	....	....	.04	7.81
Clemson College	Savannah	.20	.11	.40	.31	....	....	....	.55	....	.10	.19	....	.11	.75	.30	....	....	....	....	.41	....	....	....	....	.23	....	....	.21	.60	....	....	4.47
Columbia ***	Congaree	.09	.02	.73	.25	.33	T.	T.	.09	.06	T.	.09	.50	.03	1.07	....	T.	....	....	....	....	....	.05	T.	....	T.	....	.13	....	T.	....	....	3.44
Edgefield ‖	Savannah	.40	.15	.10	.15	.05	.10	.20	....	.40	....	.80	.15	.45	.40	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.05	....	....	3.40
Gaston Shoals ‖‖	Broad	.23	.01	T.	.11	....	....	....	....	.01	.01	.83	....	T.	T.	.46	....	....	....	....	....	....	.38	....	....	.27	.01	.01	.19	....	....	....	2.52
Greenville ‖‖	Saluda	.41	.07	.27	.55	.01	....	....	....	.31	....	.04	....	.75	.52	.08	.03	....	....	....	....	....	....	....	....	.65	.44	....	1.41	.01	....	....	5.55
Greenwood ‖‖	do	.11	.37	....	....	....	....	....	....	1.03	.15	.60	....	....	.93	1.53	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4.72
Heath Springs	Wateree	....	1.60	....	....	.06	.30	....	.20	.26	....	.68	....	1.13	....	....	....	....	....	....	....	....	....	.25	....	....	.92	....	.06	....	....	....	5.46
Liberty	Savannah	.50	1.18	.08	....	....	....	.02	.04	.02	.25	T.	.04	.03	.04	....	.84	....	....	....	.04	....	....	....	.02	T.	....	.40	.02	T.	....	....	3.52
Little Mountain	Saluda	.65	.03	.46	.50	.10	....	.10	....	.50	....	.10	....	....	.83	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.62	....	....	3.89
Meriwether	Savannah	T.	.98	....	.25	.08	T.	....	.31	.38	T.	.85	T.	....	2.38	....	....	....	.17	....	T.	....	T.	....	T.	....	....	....	.32	....	....	....	5.72
Monetta	Edisto	T.	.14	T.	1.10	.17	.14	.23	T.	.32	.06	.43	.02	....	.65	.10	....	....	.24	.22	....	....	....	.04	....	....	....	....	....	....	T.	....	3.86
Newberry	Saluda	.15	.13	.88	.05	....	....	....	....	.30	.20	.35	....	.62	.34	.33	T.	....	....	....	....	....	.02	....	....	....	....	.35	....	.14	.05	....	3.91
Pelzer ‖‖	do	.06	....	.24	.34	....	....	....	....	.80	.66	.16	....	....	.34	.72	....	....	....	....	....	....	.06	....	....	.96	.14	.06	....	....	.08	....	4.62
Saluda	do	....	....	.85	.14	.11	.54	.10	.03	.10	....	.26	....	.82	.35	....	....	....	.45	....	....	.11	....	....	....	....	....	....	.34	....	....	....	4.20
Santuck	Broad	.56	.02	T.	.13	.03	....	....	.01	.30	.47	.54	....	T.	.45	.04	....	....	....	....	....	.05	....	....	....	T.	....	.65	....	.37	....	T.	3.62
Spartanburg ‖	do	.86	1.40	.03	.30	T.	....	....	....	.04	.05	.36	....	T.	.28	1.15	....	....	....	....	....	....	T.	....	....	.35	T.	T.	.10	....	....	....	4.92
Trenton	Edisto	1.52	.44	T.	.48	.19	.06	.02	.15	.60	.18	.60	....	....	1.75	.05	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	6.04
Winnsboro	Broad	.38	....	.25	.50	....	T.	.20	T	T.	....	.83	....	.70	.25	....	....	....	....	....	....	....	....	....	....	....	....	1.00	....	....	....	....	4.11
Winthrop College	Catawba	.78	....	....	....	....	....	....	....	1.60	1.01	....	....	....	1.00	....	....	....	....	....	....	.23	....	....	....	....	....	....	....	....	....	....	4.62

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

Daily Temperatures for August, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	86	88	90	80	78	86	87	88	90	91	95	96	97	97	91	90	88	95	89	90	94	91	97	99	100	100	100	101	100	101	101	89.5
	Minimum	65	67	71	70	70	69	67	69	71	71	72	72	72	70	70	71	69	68	70	69	70	72	78	71	68	71	72	73	71	70	69	67.9
Beaufort	Maximum	80	83	84	80	83	85	85	84	83	85	85	88	88	88	85	87	....	85	85	80	84	87	88	80	89	91	91	90	90	90	89	a 85.7
	Minimum	65	64	75	70	70	70	70	71	74	74	73	72	72	76	72	72	....	72	72	72	72	69	68	75	76	76	75	74	74	74	74	a 72.1
Blackville §§	Maximum	85	87	90	82	79	86	93	90	90	93	93	96	98	96	93	88	93	96	92	90	90	93	94	93	97	96	96	96	86	91	95	91.5
	Minimum	63	67	69	70	68	68	66	67	71	71	69	71	71	68	70	70	67	68	70	69	69	70	69	72	71	72	70	71	69	68	66	69.0
Bowman	Maximum	82	81	90	77	80	84	89	88	90	91	92	91	92	91	90	88	90	92	85	86	89	90	93	93	94	95	96	95	89	90	92	89.2
	Minimum	65	64	63	65	69	70	70	69	66	67	68	69	69	70	69	68	69	68	66	67	68	69	70	71	71	71	71	71	70	69	68	68.4
Charleston	Maximum	80	85	88	78	82	85	87	85	86	86	86	91	91	89	89	88	89	86	82	83	87	89	90	91	90	95	95	94	87	90	89	87.5
	Minimum	73	72	72	71	71	74	77	74	75	78	76	77	78	72	73	74	76	75	73	73	75	76	78	78	78	79	78	78	75	75	74	75.1
Cheraw §§	Maximum	86	87	91	85	76	82	90	88	85	88	88	92	91	90	89	92	92	93	93	88	90	93	84	96	97	96	89	91	88	87	90	89.6
	Minimum	62	67	67	69	67	66	67	68	70	70	70	72	71	72	69	68	69	68	71	71	68	70	72	74	74	72	72	69	72	71	64	69.4
Conway §§	Maximum	85	83	90	78	79	78	87	86	85	88	89	92	88	90	91	87	90	91	88	87	89	91	90	93	92	94	91	93	86	87	89	88.0
	Minimum	57	69	68	68	69	69	70	68	73	71	69	70	74	72	73	70	68	69	70	70	69	72	74	74	74	75	73	70	73	71	68	70.3
Darlington §§	Maximum	87	90	96	85	75	81	89	90	89	90	90	92	94	89	90	94	93	95	93	89	89	94	95	96	96	97	93	93	88	88	93	90.7
	Minimum	57	63	65	68	66	67	67	66	69	69	69	72	70	68	69	68	67	67	71	67	67	70	73	73	74	74	68	68	71	63	63	68.0
Dillon	Maximum	88	90	90	81	75	82	90	91	84	88	92	93	85	90	89	....	91	95	94	91	90	94	93	94	93	97	88	95	87	89	91	a 89.0
	Minimum	57	63	67	69	68	68	68	67	70	71	69	72	73	70	70	....	67	68	69	72	68	72	74	74	75	74	70	69	73	64	63	a 69.1
Ferguson §§	Maximum	84	85	88	78	78	84	89	87	88	90	92	94	95	90	91	91	89	92	84	84	88	92	94	93	94	90	97	95	90	87	92	89.2
	Minimum	66	66	68	68	70	70	69	68	68	70	69	69	70	64	71	65	62	68	68	70	69	69	71	73	73	73	73	73	73	73	68	69.2
Florence §§	Maximum	85	88	90	85	86	85	92	88	88	90	93	94	91	90	92	84	86	93	92	90	89	93	94	93	96	100	90	89	88	87	86	89.9
	Minimum	58	63	65	68	68	68	68	66	68	71	69	72	72	69	69	71	67	68	68	68	69	71	73	73	76	75	71	71	71	70	71	69.3
Georgetown	Maximum	91	86	91	82	82	85	90	90	91	90	90	91	95	94	90	86	90	92	93	92	92	90	92	91	96	98	96	97	92	88	92	90.9
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Kingstree §§	Maximum	85	90	92	81	85	86	90	89	88	90	93	94	93	93	91	85	89	93	91	88	90	94	94	95	94	95	94	95	90	89	91	90.5
	Minimum	61	61	69	66	64	69	68	68	70	71	68	71	73	71	70	71	68	68	71	69	69	71	73	74	73	74	74	69	73	71	68	69.7
St. George §§	Maximum	79	85	90	82	80	86	92	89	89	90	93	94	93	95	93	91	89	96	84	86	90	93	94	94	95	96	98	96	94	92	93	90.7
	Minimum	64	67	68	69	69	68	68	66	69	69	67	70	71	68	69	69	67	68	69	68	67	69	70	71	70	70	71	70	69	67	66	68.5
St. Matthews §§	Maximum	77	85	91	77	73	80	90	87	90	91	92	92	93	93	91	89	89	91	89	87	89	90	94	93	95	96	96	94	88	89	90	89.1
	Minimum	61	61	68	67	63	68	67	67	69	69	70	71	71	70	69	70	67	67	71	68	69	70	70	72	72	73	70	72	70	68	66	68.6
Society Hill §§	Maximum	89	92	84	80	80	93	91	93	93	91	96	93	90	91	92	92	93	92	90	90	91	95	98	95	95	92	94	92	90	90	92	91.3
	Minimum	63	68	66	66	67	66	65	69	71	69	71	71	69	68	67	68	66	70	68	68	70	74	72	73	73	70	67	71	70	62	66	68.5
Summerville	Maximum	77	84	85	79	80	87	89	83	83	88	89	91	91	89	88	89	88	87	82	82	88	90	92	91	92	93	94	93	85	89	90	87.4
	Minimum	64	70	71	69	71	71	69	69	72	71	69	71	70	71	70	70	70	70	72	70	70	72	72	73	73	73	74	74	73	72	69	70.8
Walterboro	Maximum	77	87	88	78	82	86	90	88	85	91	93	94	94	94	92	91	89	93	....	84	90	93	92	93	94	95	96	95	88	91	92	a 89.8
	Minimum	66	70	70	69	71	70	69	67	71	70	70	70	73	71	70	70	74	69	....	70	70	71	72	72	73	73	73	72	72	71	66	a 70.6
Yemassee §§	Maximum	75	88	88	78	81	86	89	89	88	89	91	93	91	93	93	90	87	91	80	85	89	93	91	93	93	94	95	94	89	90	92	89.0
	Minimum	62	66	70	69	69	70	66	67	67	68	68	68	71	70	69	66	68	68	68	69	68	69	69	71	70	70	71	71	69	68	65	68.4
Western Portion.																																	
Aiken	Maximum	81	84	89	78	75	80	87	86	88	90	89	93	94	91	88	89	89	92	89	87	87	91	....	92	94	92	94	95	89	89	90	a 88.4
	Minimum	65	67	68	68	67	67	68	66	69	71	69	70	71	67	67	69	67	69	69	68	67	70	....	70	72	70	70	72	69	68	67	a 68.6
Anderson	Maximum	85	85	93	83	80	83	93	40	84	83	88	93	93	89	89	91	93	96	91	96	92	98	97	96	94	92	91	92	89	85	91	90.3
	Minimum	60	68	68	67	67	64	67	68	69	69	68	69	69	69	70	67	69	70	71	71	69	69	70	70	71	71	71	70	69	70	69	68.7
Batesburg §§	Maximum	80	84	88	77	75	77	83	84	81	83	85	89	90	88	85	88	90	90	96	87	88	90	92	91	91	91	92	91	89	87	92	86.7
	Minimum	62	64	67	66	65	65	66	65	69	70	68	69	71	67	67	67	69	68	70	67	68	70	70	71	70	72	70	70	69	68	66	67.9
Camden §§	Maximum	84	87	83	83	76	79	90	90	86	90	87	94	92	90	88	91	92	92	93	90	91	93	93	93	94	93	94	93	93	93	92	86.8
	Minimum	61	62	69	70	69	69	69	70	71	71	72	72	72	71	70	70	68	68	71	71	70	70	71	71	72	73	72	70	70	69	70	67.5
Clemson College	Maximum	82	81	85	81	81	82	83	86	82	84	83	87	87	84	84	87	88	86	87	88	89	88	88	89	83	88	87	88	86	82	85	85.2
	Minimum	66	65	67	67	66	62	65	70	70	70	70	69	69	70	70	70	70	69	68	71	70	67	70	70	71	71	71	72	70	69	67	68.7
Columbia	Maximum	78	84	91	81	74	78	89	85	86	89	86	91	93	90	88	91	90	92	90	88	88	87	90	93	93	94	92	93	88	88	89	88.0
	Minimum	67	69	69	69	68	68	68	70	71	72	72	72	73	71	70	71	68	71	73	70	71	71	72	73	74	74	73	73	71	71	70	70.8
Greenville §§	Maximum	81	83	86	82	83	84	87	83	81	82	86	92	88	86	85	87	88	91	92	89	86	91	92	90	89	87	88	90	87	88	88	86.8
	Minimum	61	66	66	61	66	62	64	67	69	70	69	68	68	69	68	65	68	67	68	70	69	69	70	71	70	70	68	70	70	68	66	67.5
Greenwood §§	Maximum	81	80	88	80	76	83	85	86	80	82	85	89	90	86	84	87	87	90	88	87	87	90	91	92	92	91	91	91	87	87	90	86.5
	Minimum	60	66	70	67	67	67	65	67	69	68	68	69	71	69	69	69	69	70	71	71	70	70	71	72	73	73	71	70	71	70	69	68.9
Heath Springs	Maximum	75	85	85	81	83	77	87	90	84	77	76	90	83	85	87	87	88	90	89	88	88	92	91	93	91	89	86	90	85	86	87	86.0
	Minimum	56	63	63	66	67	66	68	67	69	70	70	70	71	70	69	68	67	68	67	69	69	70	72	71	71	72	69	68	71	68	65	68.1
Liberty	Maximum	86	85	89	83	83	87	89	88	81	88	87	94	89	87	91	89	90	93	95	95	87	94	94	94	93	91	90	90	87	86	90	88.7
	Minimum	66	65	66	67	66	62	64	69	69	68	69	66	68	69	69	65	68	66	69	70	67	69	67	73	72	71	69	71	71	68	67	68.0
Little Mountain	Maximum	86	83	90	81	76	86	86	85	86	80	86	86	90	87	90	90	90	92	92	90	89	94	94	94	94	93	94	94	92	87	91	88.6
	Minimum	68	68	67	68	67	68	69	70	69	72	69	68	67	70	70	70	69	69	71	71	71	72	72	74	72	74	72	72	70	70	69	69.9
Meriwether	Maximum	85	88	88	76	76	80	91	90	92	92	92	96	96	95	89	91	92	94	91	91	93	95	95	96	96	95	97	95	95	89	94	91.2
	Minimum	67	68	68	69	69	66	66	68	69	69	69	70	70	68	68	69	68	69	69	69	70	70	71	72	72	71	70	70	70	68	66	69.0
Monetta	Maximum	81	86	90	77	74	76	88	84	84	89	85	91	92	88	87	89	91	93	90	87	88	92	96	92	92	92	94	92	88	88	93	88.0
	Minimum	66	69	70	69	68	67	67	67	72	72	69	70	73	69	68	70	67	70	70	69	69	70	71	72	72	72	71	70	70	69	66	69.5
Newberry	Maximum	84	86	94	82	78	80	89	90	88	85	91	95	91	90	90	92	92	95	94	93	90	96	96	98	97	94	96	95	91	88	93	90.7
	Minimum	66	68	68	67	68	68	66	69	72	70	69	70	73	69	69	69	68	70	71	71	69	71	72	73	74	73	70	69	71	71	66	69.7
Saluda	Maximum	82	87	93	90	80	80	90	90	86	88	92	95	96	93	90	91	94	95	94	91	91	96	97	96	96	98	97	92	91	90	91	91.4
	Minimum	65	68	69	68	68	67	65	68	71	68	68	70	71	69	....	66	66	67	68	69	68	70	71	73	72	69	69	71	69	70	71	a 68.8
Santuck	Maximum	80	86	93	84	78	84	91	91	89	83	88	91	92	90	90	93	91	95	97	93	90	95	96	97	97	95	92	93	89	87	90	90.3
	Minimum	64	65	67	67	67	66	65	69	70	70	67	70	71	69	69	68	67	68	70	71	69	70	71	72	70	72	69	69	70	69	66	68.6
Spartanburg §§	Maximum	83	85	91	84	83	87	90	90	89	87	87	94	85	95	87	91	91	94	95	93	92	93	95	95	95	92	88	91	89	86	89	89.9
	Minimum	60	65	65	67	67	64	64	64	69	69	68	70	70	69	71	65	68	67	69	69	71	68	69	72	71	70	68	69	69	69	66	67.8
Trenton	Maximum	80	83	87	78	74	78	88	86	86	87	86	88	90	84	86	90	89	91	91	90	88	92	92	92	93	92	92	91	87	88	94	87.5
	Minimum	65	69	70	69	68	67	66	69	68	71	69	70	71	69	67	69	68	70	70	69	68	71	71	72	72	74	74	73	71	70	68	69.6
Winnsboro	Maximum	82	82	82	80	75	85	90	85	86	85	87	92	90	86	86	87	80	92	88	88	86	90	92	90	90	92	92	90	88	90	88	86.8
	Minimum	69	70	70	66	65	65	66	69	68	70	70	72	71	70	68	69	68	70	71	70	70	70	72	76	70	72	70	70	68	70	65	69.2
Winthrop College	Maximum	82	85	92	85	79	90	94	92	90	86	86	91	87	88	87	80	95	94	95	95	98	94	95	94	95	93	90	89	89	82	91	89.8
	Minimum	63	65	67	68	66	66	66	69	70	71	68	71	71	68	68	67	68	70	71	71	70	70	72	72	71	71	70	69	71	70	64	68.8

a, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


No Rain
No Rain
No Rain
No Rain
No Rain
Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
A.

(CONTINUED FROM PAGE 59.)

RIVER CONDITIONS.

The rivers of the Section continued uniformly low, except moderate stages of navigable water in the Santee River between the 13th and 21st, when the readings ranged between 9.0 and 10.8 feet.

MISCELLANEOUS PHENOMENA.

Fog, dense (dates).—Camden, 7, 8, 9, 10, 19; Catawba, 20; Cheraw, 20; Columbia, 20; Gaston Shoals, 17, 22; Liberty, 17, 28; Rimini, 7, 10, 17.

Hail (dates).—Smiths Mills, 2; Greenville, damaging hailstorm in Gauth Township, Greenville County, 12.

Halos (dates).—Lunar: Charleston, 10, 11, 30; Columbia, 8.

Thunderstorms (dates).—Bowman, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 27, 28, 29; Charleston, 2, 3, 5, 6, 7, 8, 9, 13, 14, 15, 17, 18, 20, 29; Cheraw, 2, 7, 9, 13, 14, 25, 27; Clemson College, 10, 14, 15, 20; Columbia, 1, 2, 3, 7, 8, 9, 11, 12, 13, 14, 16, 20, 22, 23, 24, 25, 27, 29; Gaston Shoals, 15, 21, 24, 26; Georgetown, 15; Greenville, 2, 12, 13, 15, 24, 27; Liberty, 2, 9, 10, 13, 14, 20, 21, 25, 27; Monetta, 9, 14, 29; Newberry, 3, 9, 10, 11, 13, 14, 27, 29; Pinopolis, 1, 5, 6, 8, 14, 16, 17, 24; Santuck, 1, 3, 10, 11, 14, 21, 27, 29; Summerville, 2, 5, 6, 8, 9, 13, 14, 18, 29; Trenton, 7, 8, 10, 14, 20, 29.

Lightning, Deaths and Damage.—Greenville: On the 2d a 12-year-old girl was killed by lightning; on the 12th three dwellings were set on fire by lightning, one being destroyed and the others badly damaged. Manning: During the night of the 28th a barn belonging to John W. Ridgill, living 4 miles south, was struck by lightning and destroyed, together with contents; loss estimated at $1,000. Laurens: Marshall Whittle was instantly killed by lightning while repairing telephone lines 2 miles south of the city during the afternoon of the 22d.

Rainbow (date).—Columbia, 27.

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature.			Precipitation.		Average number of days -			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Pt. Cldy.	Cloudy.	
1887	77.8	101	49	6.54	11	......	......	......	......
1888	77.8	102	50	4.53	10	......	......	......	sw.
1889	74.4	97	45	6.37	12	......	......	......	se.
1890	77.1	96	51	4.25	9	......	......	......	s.
1891	78.9	98	55	8.79	......	......	......	......	sw.
1892	79.5	96	59	4.42	......	......	......	......	sw.
1893	77.5	97	57	12.45	13	10	9	12	ne.
1894	77.9	102	55	7.28	11	10	13	8	sw.
1895	79.4	101	55	7.95	13	9	14	8	sw.
1896	80.4	105	52	4.14	7	14	12	5	sw.
1897	78.0	102	57	5.16	9	13	9	9	sw.
1898	78.7	99	57	9.81	18	8	11	12	sw.
1899	81.2	103	59	6.26	10	12	11	8	sw.
1900	83.0	106	60	2.13	5	21	9	1	sw.
1901	78.6	97	57	9.01	15	7	14	10	s.
1902	78.6	104	55	5.07	12	14	10	7	sw.
1903	80.6	105	60	7.15	12	15	9	7	sw.
1904	77.6	102	54	8.47	14	12	9	10	sw.
1905	77.9	107	46	5.69	11	15	8	8	sw.
1906	80.6	100	60	6.62	15	7	17	7	sw.
1907	79.4	101	54	5.41	9	13	13	5	sw.
1908	78.6	100	49	9.11	10	12	11	8	s.
1909	78.8	104	53	4.83	8	15	12	4	ne.
1910	79.0	101	60	6.00	10	11	12	8	ne.
1911	80.0	104	51	6.05	12	10	15	6	sw.
1912	79.2	104	54	3.69	9	16	8	7	sw.
1913	78.9	109	56	3.76	9	15	9	7	sw.
1914	79.0	101	56	5.88	13	9	15	7	sw.
Averages	78.8	109	45	6.32	11	12	11	8	sw

MISCELLANEOUS DATA FOR AUGUST, 1914.

Stations.	Barometer—sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Sunshine—total hours.	Relative humidity—per cent.	Wind.	
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.			Average hourly velocity—miles.	Prevailing direction.
Asheville, N. C.	30.07	72.2	88	57	5.48	1.91	266.4	84	5.0	s.
Augusta, Ga.	30.07	79.7	94	68	4.93	1.43	208.0	82	4.9	s.
Charleston, S. C.	30.08	81.3	95	71	4.43	1.73	227.9	80	7.7	s.
Charlotte, N. C.	30.07	77.7	93	65	2.25	0.79	265.4	82	5.5	sw.
Columbia, S. C.	30.06	79.4	94	67	3.44	1.10	209.1	84	6.0	s.
Savannah, Ga.	30.08	81.0	94	69	4.91	1.18	190.7	84	8.6	sw.
Wilmington, N. C.	30.07	79.0	92	65	7.67	1.80	229.5	86	5.9	sw.
Averages	30.07	78.6	[a] 95	[a] 57	4.73	[b] 1.91	228.1	83	6.2	s.

[a] Extremes. [b] Greatest.

Errata—March, 1914.

WALTERBORO.—Temperature departure from normal (page 20), should be −8.1.

Errata—July, 1914.

CHARLESTON.—Greatest precipitation in 24 hours (page 52), should be 2.88.
WALTERBORO.—Precipitation departure from normal (page 52), should be −1.47.
SUMMERVILLE.—Precipitation departure from normal (page 52), should be +1.86.

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OF ILLINOIS
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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

SOUTH CAROLINA SECTION

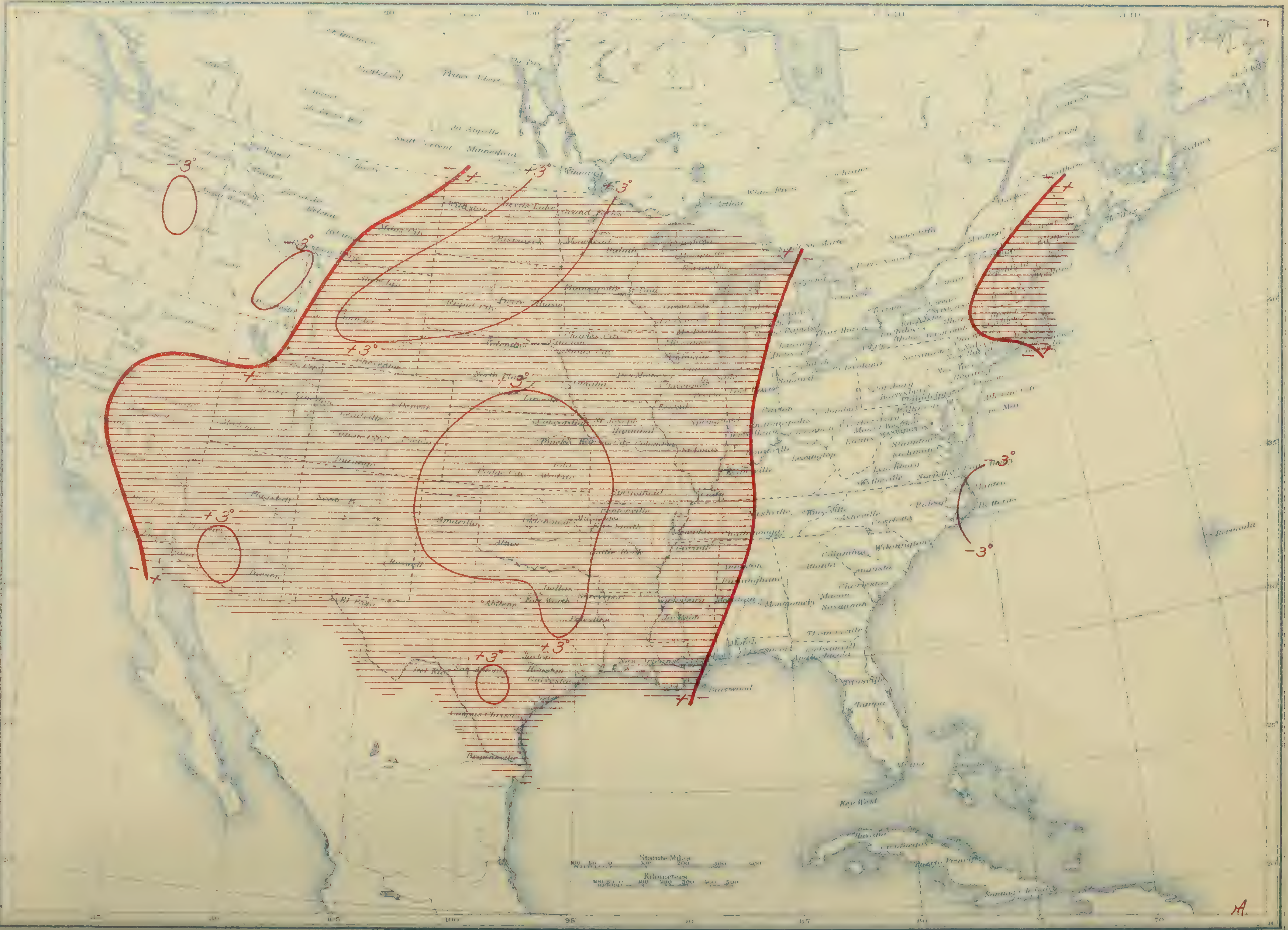
SEPTEMBER, 1914

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

1862 1889

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
November 5, 1914.

Departure of the Mean Temperature from the Normal, September, 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

Vol. XVII. Columbia, S. C., September, 1914. No. 9.

GENERAL SUMMARY.

The weather during September was considerably cooler than usual as a result of low temperatures during the periods, 9th to 16th and 25th to 29th, when the daily means ranged 6° to 13° below normal. A noteworthy feature of the month was the sustained semi-drought over the Piedmont as against abundant rainfall on the coastal plain, particularly in the northern coast districts. The comparatively light precipitation during the first decade was generally favorable for the development of early cotton bolls, for growth of the late-planted crop and for haying, but was generally detrimental to late corn and truck. The army worm caused some damage to forage in Greenville County. Toward the middle of the month the weather was much too cool for the proper advancement of cotton, corn and truck, but cow-pea and corn-fodder haying progressed favorably. Near the close of the second decade the weather became showery, and much of the late cotton crop was in vigorous growing condition. Picking of the early crop continued wherever possible, but there was considerable complaint of shedding in localities, incident to locally heavy rains. Showers became copious to heavy throughout the Section toward the middle of the last decade, except over the northwestern counties, where the drought continued and the rains were light or insufficient. The month closed with the weather generally too cool for good cotton development, but late corn, truck and forage were reported generally as in favorable condition.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.12 inches. The highest pressure in the region covered by reports was 30.40 inches at Asheville, N. C., on the 27th and at Charlotte and Wilmington, N. C., on the 29th; lowest, 29.71 inches at Charleston on the 25th.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 39 stations, was 71.3°, or 2.9° below the established normal. The highest temperature was 101° at Blackville, Barnwell County, on the 8th. The warmest period of the month was on the 7th and 8th, but a few stations show maximum temperatures between the 1st and 3d. The lowest temperature was 43° at Darlington, Darlington County, on the 11th and 27th; at Cheraw, Chesterfield County, Liberty, Pickens County, and Saluda, Saluda County, on the 27th; and at Society Hill, Darlington County, on the 28th. The coolest periods of the month were from the 9th to the 16th and from the 25th to the 29th.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 84 percent; 8 p. m., 72 percent. The highest average percentages occurred over the extreme northeastern and extreme southern coast districts and over the extreme northwestern portion of the Section.

PRECIPITATION.

The average for the Section, 51 stations reporting, was 3.63 inches, or 0.41 inch below the established normal. There were four distinct periods of rain, namely: 1st to 4th, 8th to 12th, 16th to 19th and 24th to 26th. However, the bulk of the month's rainfall was recorded during the latter two periods, with but few local exceptions. The precipitation was unequally distributed as to area; on the middle and northern portions of the coastal plain the amounts ranged from 5 to over 7 inches, while over the northwestern counties the rainfall ranged generally from 3 down to less than 2 inches. The greatest local amount was 7.55 inches at Georgetown, Georgetown County; least amount, 1.45 inches at Liberty, Pickens County. The greatest amount during any 24 hours was 4.10 inches on the 25th, also at Georgetown. The average number of days with appreciable amounts of rainfall was normal.

WIND.

The prevailing winds were from the northeast. The average hourly velocity, determined from 7 anemometer records, was 7.7 miles. The highest average velocity in the region covered by reports was 11.1 miles per hour at Charleston, and the lowest average, 6.2 miles per hour at Augusta, Ga., and Charlotte, N. C. In the Section proper the averages were 6.6 miles per hour at Columbia and 11.1 miles per hour at Charleston. The highest velocity for any 5-minute period was 45 miles per hour from the east at Charleston on the 17th.

SUNSHINE AND CLOUDINESS.

The total hours of sunshine, determined from 7 automatic records, were 229.4, or 62 percent of the possible amount. The average number of clear days was 14; partly cloudy, 9; cloudy, 7, as against normals of 15, 9 and 6 days, respectively.

RIVER CONDITIONS.

The rivers continued unusually low throughout the month. At Calhoun Falls, S. C., the Savannah River was the lowest of record during practically the entire period after the 6th.

(CONTINUED ON PAGE 72.)

Climatological Data for September, 1914.

Stations	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit on (0.01 in. or more)	Clear.	Part cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	25	.....	.....	.....	.....	.....	.....	.....	4.75	+0.83	2.35	0	5	.....	.....	.....	.....	H. B. Harris.
Beaufort	Beaufort	21	27	^{a}73.2	−4.2	^{a} 90	3	^{a} 58	† 11	21	4.03	−1.24	1.17	0	5	12	14	4	.....	Miss Lillian H. Rice.
Blackville	Barnwell	296	25	73.4	−2.4	101	8	46	28	35	6.72	+2.43	2.05	0	7	.....	.....	.....	.....	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	11	71.2	−3.9	95	8	44	28	34	2.77	−0.75	1.40	0	7	16	9	5	ne.	B. O. Evans.
Charleston	Charleston	48	43	74.4	−1.8	92	8	57	26	18	4.69	−0.77	2.38	0	7	13	7	10	ne.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	24	68.3	−5.2	96	8	43	27	33	3.08	−0.56	1.10	0	9	.....	.....	.....	.....	J. H. Powe.
Conway	Horry	25	28	70.8	−4.5	94	8	48	11	44	7.24	+2.51	3.19	0	7	.....	.....	.....	.....	Paul Quattlebaum.
Darlington	Darlington	175	18	71.0	−3.9	^{a} 98	8	43	† 11	38	2.49	−1.48	1.02	0	6	19	4	7	.....	D. C. McCall.
Dillon	Dillon	100	10	70.7	−4.4	^{a} 97	8	44	27	34	5.31	−0.89	2.09	0	7	.....	.....	.....	.....	A. E. Rowell.
Edisto ‡‡	Bamberg	143	26	.....	.....	.....	.....	.....	.....	.....	4.64	+1.15	1.95	0	8	.....	.....	.....	.....	Nathan Jenkins.
Effingham	Florence	106	21	.....	.....	.....	.....	.....	.....	.....	5.87	+2.53	1.73	0	7	.....	.....	.....	.....	H. B. McCall.
Ferguson	Orangeburg	63	28	^{g}73.6	−0.6	^{g}100	8	47	11	38	3.74	−0.10	1.24	0	6	.....	.....	.....	.....	Joseph P. Simons.
Florence	Florence	136	25	71.2	−3.8	100	8	47	27	37	2.99	−1.17	1.00	0	6	.....	.....	.....	.....	H. K. Gilbert.
Georgetown	Georgetown	12	19	73.6	−2.4	95	† 3	51	† 11	37	7.55	+3.41	4.10	0	5	14	11	5	ne.	A. P. Hazard.
Kingstree	Williamsburg	54	25	72.0	−3.3	95	8	46	11	32	2.27	−1.54	0.63	0	7	.....	.....	.....	.....	A. O. Matthews.
Pinopolis **	Berkeley	54	20	70.6	−3.7	90	8	56	† 26	.....	5.05	+0.49	2.75	0	8	13	6	11	ne.	Miss E. P. Ravenel.
Rimini	Clarendon	97	4	.....	.....	.....	.....	.....	.....	.....	3.73	.....	1.16	0	6	.....	.....	.....	.....	William B. Wolfe.
St. George	Dorchester	109	25	^{a}72.0	−3.3	^{a} 97	8	^{a} 44	† 11	36	4.27	+0.22	1.43	0	8	.....	.....	.....	.....	Geo. N. Snelling, M. D.
St. Matthews	Calhoun	269	25	71.0	−3.7	97	8	46	28	31	3.43	−0.22	1.38	0	9	.....	.....	.....	.....	J. S. Wannamaker.
Smiths Mills	Georgetown	62	18	.....	.....	.....	.....	.....	.....	.....	4.83	+0.84	1.50	0	6	.....	.....	.....	.....	W. G. Walker.
Society Hill	Darlington	192	22	70.6	-2.7	99	7	43	28	36	2.53	−1.60	1.05	0	7	14	11	5	n.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	16	72.2	−3.0	93	1	50	† 11	28	5.03	+0.76	3.08	0	8	2	25	3	e.	Miss E. H. Gadsden.
Walterboro	Colleton	69	11	^{c}73.8	−3.4	^{b} 96	† 7	^{c} 51	† 26	32	4.84	−0.02	2.65	0	7	14	10	6	.....	J. A. Westerberg.
Yemassee	Hampton	24	18	71.4	−4.4	94	8	44	11	36	4.16	−0.09	1.70	0	6	.....	.....	.....	.....	J. G. Hutson.
Division means and extremes		.....	.....	71.8	−3.4	101	8	43	† 11	44	4.42	+0.21	4.10	0	7	13	11	6	ne.	
Western Portion.																				
Aiken	Aiken	527	19	71.2	−5.8	96	8	50	† 9	46	4.65	+1.32	2.20	0	6	13	14	3	ne.	W. M. Brown.
Anderson	Anderson	764	12	72.4	−1.0	98	2	50	26	33	2.17	−1.47	0.87	0	6	17	0	13	e.	H. H. Russell.
Batesburg	Lexington	656	25	69.8	−4.2	95	1	50	† 26	31	3.49	−0.41	2.07	0	6	.....	.....	.....	.....	E. J. Hite.
Blairs	Fairfield	293	8	.....	.....	.....	.....	.....	.....	.....	3.24	.....	2.30	0	4	.....	.....	.....	.....	J. N. Owens.
Calhoun Falls	Abbeville	508	21	.....	.....	.....	.....	.....	.....	.....	2.09	−2.07	1.82	0	5	.....	.....	.....	.....	L. M. Parker.
Camden	Kershaw	222	47	71.4	−4.0	92	† 1	50	11	29	3.14	−0.81	1.18	0	9	14	13	3	ne.	W. C. Brown.
Catawba	York	562	8	.....	.....	.....	.....	.....	.....	.....	4.08	.....	1.80	0	8	.....	.....	.....	.....	James C Faris.
Chappells	Newberry	402	9	.....	.....	.....	.....	.....	.....	.....	1.89	.....	1.12	0	5	.....	.....	.....	.....	J. J. Murran.
Clemson College	Oconee	850	22	70.4	−2.5	89	2	47	† 26	27	4.43	−0.44	2.80	0	8	16	8	6	w.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	27	71.0	−2.7	94	7	51	26	24	2.60	−0.85	1.09	0	9	12	9	9	ne.	U. S. Weather Bureau.
Edgefield	Edgefield	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.60	.....	0.55	0	5	.....	.....	.....	.....	T. L. Timmerman.
Gaston Shoals ‡‡	Cherokee	680	1	.....	.....	.....	.....	.....	.....	.....	2.64	.....	1.31	0	9	.....	.....	.....	.....	Harry A. Parshall.
Greenville	Greenville	989	21	69.7	−1.1	91	7	44	27	35	2.40	−1.86	1.29	0	9	14	4	12	w.	Spartan Goodlette.
Greenwood	Greenwood	671	25	69.4	−4.1	94	8	47	27	32	2.88	−0.94	1.51	0	8	.....	.....	.....	.....	M. M. Calhoun.
Heath Springs	Lancaster	568	12	68.4	−5.8	93	7	48	† 10	30	2.97	−0.23	1.14	0	4	14	4	12	w.	J. Marvin Bowers.
Liberty	Pickens	900	19	71.5	−1.5	96	8	43	27	37	1.45	−3.11	0.90	0	6	12	11	7	s.	John T. Boggs.
Little Mountain	Newberry	711	20	71.8	−3.3	96	† 7	50	26	39	3.74	+0.82	1.50	0	6	16	3	11	e.	J. M. Sease, M. D.
Meriwether	Edgefield	.....	10	71.6	−3.6	98	† 7	47	27	38	2.00	−1.17	0.79	0	5	15	5	10	.....	William S. Middleton.
Monetta	Saluda	400	7	71.6	.....	94	7	50	27	30	4.27	.....	2.00	0	12	10	14	6	ne.	Joseph M. Johnson.
Newberry	Newberry	502	26	71.2	−3.1	97	† 2	46	27	34	3.00	−1.04	2.06	0	8	12	8	10	sw.	Warren G. Petterson.
Pelzer	Anderson	850	10	.....	.....	.....	.....	.....	.....	.....	2.04	−1.29	0.90	0	6	.....	.....	.....	.....	Joshua Y. Jones.
Saluda	Saluda	536	11	71.9	−2.7	100	7	43	27	41	4.28	+1.06	1.44	0	6	17	8	5	s.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	19	70.7	−2.8	97	† 2	46	27	38	2.37	−1.15	0.88	0	6	11	12	7	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	22	70.0	−2.6	97	7	46	27	32	1.54	−2.26	0.94	0	5	.....	.....	.....	.....	F. P. Robinson.
Trenton	Edgefield	620	20	71.6	−3.9	96	7	51	27	32	3.83	+0.48	1.75	0	7	13	12	5	e.	C. A. Long.
Winnsboro	Fairfield	545	24	69.8	−3.6	93	7	50	† 13	32	3.52	+0.03	1.00	0	5	22	6	2	se.	J. W. Seigler.
Winthrop College ‡‡	York	690	13	70.2	−3.2	96	7	46	27	34	2.62	−0.53	0.85	0	4	11	14	5	sw.	W. P. Goodman.
Division means and extremes				70.8	−3.2	100	7	43	27	46	2.92	−0.72	2.80	0	7	14	9	7	ne.	
State means and extremes				71.3	−2.9	101	8	43	† 11	46	3.63	−0.41	4.10	0	7	14	9	7	ne.	

The departures from the normal temperature and precipitation are computed for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb: means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily Precipitation for September, 1914.

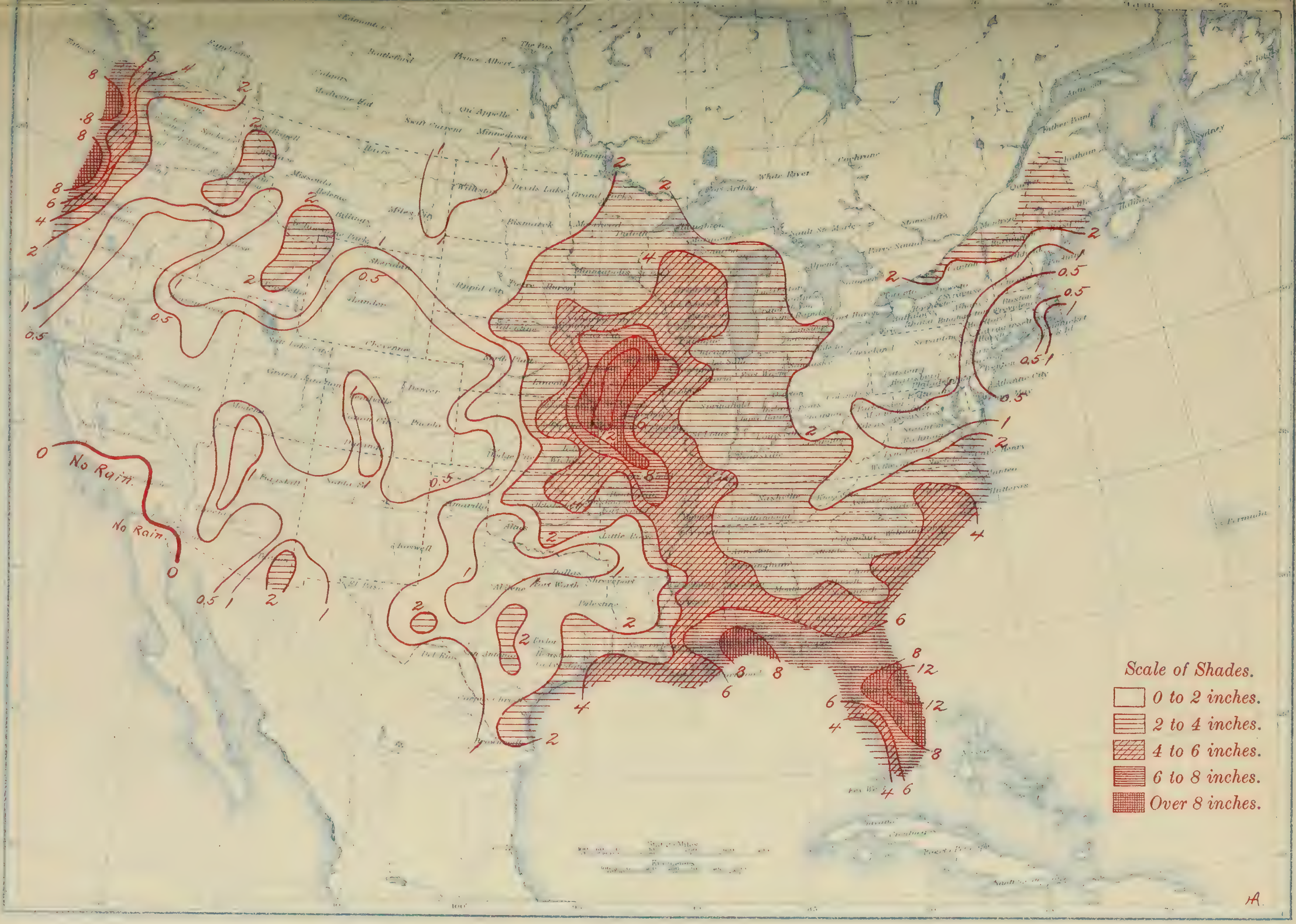
Stations.	Watershed.	Day of month. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ‖	Savannah				.20													1.50		.50						2.35	.20						4.75
Beaufort	Coast			.82								.12						1.17	T.	T.					1.00	.92							4.03
Blackville ‖	Edisto			.80	1.70								.20					1.22	.22	.50						1.70	.35				.03		6.72
Bowman	do	.07		.03						.40		.08						.51	.28							1.40							2.77
Charleston ***	Coast		.12	.12	T.							T.	T.		T.		1.03	1.03							.02	2.36					.01		4.69
Cheraw ||||	Pedee				.03					.14			.07					1.10	.46	.18	.14					.78	.18						3.08
Conway	Waccamaw				2.10								.09		T.		.07	1.57	.08	.14						2.13	1.06						7.24
Darlington ‖	Pedee		.14		T.								.03					.80	.20	T.						1.02	.30						2.49
Dillon	Little Pedee			1.10						T.		.07	T.	T.		T.	.16	2.09	.06	T.					T.	1.82	.01						5.31
Edisto ‡	Edisto		.06		1.20					.04			.14					1.10	.15							1.70	.25						4.64
Effingham ||||	Lynches				1.73								.22					1.65	.24	.65						1.15	.23						5.87
Ferguson ||||	Santee			.04	.09								.23					1.24	.32							1.20	.62						3.74
Florence ||||	Pedee			.15	.44								.10					1.00	T.	T.						.80	.50						2.99
Georgetown	Coast			.40						T.		T.	T.	T.			.60	1.75		.70						4.10					T.		7.55
Kingstree ||||	Black				.63								.39					.59	.18	.25						.15	.08						2.27
Pinopolis	Cooper	.71		.10								.11	.03				1.22	.10	.03							2.75							5.05
Rimini	Santee		.42		1.01								.25					.65	.24							.95	.21						3.73
St. George ||||	Edisto		.88		.20					.05								1.08	.40	.10						1.43	.13						4.27
St. Mattoews ||||	Santee		.70		.25					.22			.26					.22	.40							1.25	.13				T.		3.43
Smiths Mills ‡	Pedee				.83								.22				.08	1.15	.30							1.50	.75						4.83
Society Hill ||||	do	.50										.10					.43	.10	.15						1.05	.20							2.53
Summerville	Ashley	T.	.04	.17	.04					T.		T.	.05				T.	1.52	.09							3.08					.04		5.03
Walterboro	Ashepoo	.48		.01								T.	.15				T.	.99			.52					2.65					.04		4.84
Yemassee ‡	Combahee		.79		.49								T.					1.70	.05	T.						.76	.37				T.		4.16
Western Portion.																																	
Aiken	Edisto											.45	.10				.05	1.30		.55						2.20							4.65
Anderson	Savannah											.10						.05	.55	.87						.58	.02						2.17
Batesburg ||||	Edisto			T.	T.					T.			.23					.39	.71		T.					1.79	.28				.09		3.49
Blairs ||||	Broad												.18					.46	.30							2.30							3.24
Calhoun Falls ||||	Savannah																	.09	.05	.04						1.82	.09						2.09
Camden	Wateree			.37	.35					.35			.07					.74	.08							1.03	.15						3.14
Catawba ||||	Catawba				.12					.10			.47					.37	.45	.70						1.80	.07						4.08
Chappells	Saluda									.10			.10					.28	.29							1.12							1.89
Clemson College	Savannah		.03	.06					.10			.16						2.80	.80	.30						.18							4.43
Columbia ***	Congaree	.01	.02	.25					.82			.15					.01	.25	T.	T.					.14	.95					T.		2.60
Edgefield ||||	Savannah												.20				.30	.35	.20								.55						1.60
Gaston Shoals ‡	Broad			.22	T.					.31			.45					.11	.24			T.				1.29	.02						2.64
Greenville ||||	Saluda			T.	.03					.31			.22					.14	1.29	.05						.33	.01				.02		2.40
Greenwood ||||	do									.22			.18					.15	.71	.11						1.51							2.88
Heath Springs	Wateree			.70								.26						.87								1.14							2.97
Liberty	Savannah		T.	T.					.06			.04					.05	.10	.90						.30						T.		1.45
Little Mountain	Saluda								1.50			.19					T.	.15	.55						.20	1.15							3.74
Meriwether	Savannah											.37					T.	.79		.35					.09	.40							2.00
Monetta	Edisto	.01	.80	.17					.01	.05		.15	T.				T.	.78	.22	.02					.01	2.00					.05		4.27
Newberry	Saluda									.22		.20					.10	.17	.18	.07					.93	1.13							3.00
Pelzer ||||	do			.04						.30			.08					.06	.90	.04						.62							2.04
Saluda	do								.47			.16						1.01	.62						.58	1.44							4.28
Santuck	Broad											.30					.01	.41	.02						.75	.88							2.37
Spartanburg ||||	do			T.									.23					.12	.25							.92	.02						1.54
Trenton	Edisto								T			.22						.49	.25	.30					.77	1.75					.05		3.83
Winnsboro	Broad			.52								.50					.75								.75	1.00							3.52
Winthrop College	Catawba											.85						.55							.61	.61							2.62

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

Daily Temperatures for September, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	60	61	58	57	62	64	71	70	64	64	58	61	62	61	53	56	52	...	59	...	...
Beaufort	Maximum	89	89	90	87	85	86	87	89	75	72	78	78	76	78	78	74	80	80	82	83	79	79	80	80	69	72	74	75	...	73	...	a 79.9
	Minimum	77	74	69	70	74	73	73	74	74	60	58	63	64	60	61	66	70	71	71	71	65	66	66	65	60	62	60	59	...	58	...	a 66.6
Blackville §§	Maximum	95	96	91	91	93	94	98	101	85	83	79	82	81	85	85	73	86	90	93	94	87	90	89	88	70	79	81	81	76	78	...	86.5
	Minimum	70	69	69	66	61	66	67	68	68	53	47	57	58	55	54	61	62	69	69	62	65	57	60	62	60	50	47	46	53	57	...	60.3
Bowman	Maximum	92	93	90	80	90	93	94	95	81	76	73	75	76	77	79	80	82	85	85	87	86	87	86	80	74	75	77	78	73	80	...	82.9
	Minimum	67	67	65	65	60	62	62	63	62	52	45	57	58	57	58	62	63	63	70	68	65	68	58	60	58	50	45	44	54	57	...	59.5
Charleston	Maximum	88	89	90	90	84	55	89	92	81	75	75	76	78	78	80	75	79	82	82	83	79	80	82	83	76	75	74	75	71	74	...	80.7
	Minimum	78	77	74	75	76	76	74	75	67	62	60	65	64	60	62	66	72	72	72	70	68	66	69	70	61	57	61	63	63	66	...	68.0
Cheraw §§	Maximum	91	93	91	86	87	91	94	96	74	76	66	73	77	80	80	69	80	82	84	[illegible]	87	87	88	87	62	73	76	76	75	78	...	79.0
	Minimum	68	70	70	67	58	60	63	68	64	48	46	58	57	53	55	60	65	70	70	64	60	60	58	60	62	50	43	48	48	53	...	57.6
Conway §§	Maximum	91	91	91	86	85	88	92	94	80	76	72	77	77	80	80	74	82	80	79	85	85	85	87	86	65	73	75	77	75	72	...	81.3
	Minimum	69	70	71	67	61	60	62	69	50	50	48	60	59	57	57	64	66	69	69	66	61	59	59	62	64	52	49	49	51	56	...	60.2
Darlington §§	Maximum	94	95	93	92	92	93	97	98	78	81	71	78	80	83	83	70	82	84	88	90	88	88	88	86	64	76	78	...	78	77	...	a 84.0
	Minimum	66	67	72	68	59	58	62	68	63	47	43	55	56	53	52	62	62	69	68	63	59	55	56	60	60	49	43	46	46	52	...	58.0
Dillon	Maximum	93	96	94	86	86	71	94	97	76	75	69	...	76	80	80	71	83	82	85	84	85	88	87	87	71	72	55	76	73	77	...	a 81.0
	Minimum	67	68	69	68	60	60	63	70	63	49	61	60	55	57	57	64	68	70	68	63	69	57	59	62	58	51	44	51	49	52	...	60.4
Ferguson §§	Maximum	95	95	93	93	95	96	99	100	83	82	78	80	82	55	88	72	85	...	...	...	...	...	...	...	68	78	87	84	80	76	...	c 85.8
	Minimum	72	70	70	69	65	65	66	66	70	54	47	47	61	58	60	60	66	71	72	65	65	59	59	60	64	52	52	50	50	56	...	61.4
Florence §§	Maximum	89	90	92	86	88	91	98	100	78	76	74	80	76	80	80	79	88	88	91	89	80	81	80	82	72	75	76	77	76	80	...	83.1
	Minimum	68	68	79	68	60	60	61	67	64	51	49	48	57	55	55	56	64	70	70	68	67	61	63	57	60	51	47	49	49	50	...	59.4
Georgetown	Maximum	93	94	95	90	91	91	92	95	81	79	81	80	78	85	85	78	86	80	85	85	84	81	88	88	84	76	76	76	74	73	...	84.1
	Minimum	80	80	72	72	62	62	68	65	58	52	51	61	62	58	59	58	61	70	70	68	60	52	61	63	68	64	68	51	54	61	...	63.0
Kingstree §§	Maximum	93	93	93	88	89	90	94	95	80	77	77	78	78	81	81	82	84	88	83	91	86	87	88	89	73	75	67	79	75	76	...	83.7
	Minimum	69	69	71	68	62	60	64	67	66	52	46	53	58	56	57	60	63	62	70	66	64	56	58	61	64	51	48	47	55	57	...	60.3
St. George §§	Maximum	95	94	92	93	92	93	95	97	79	78	80	80	79	81	84	74	84	90	...	92	88	89	88	88	69	77	80	80	72	76	...	a 84.8
	Minimum	68	67	70	67	62	63	64	67	67	57	44	57	57	55	55	59	63	69	68	...	61	55	57	59	61	47	46	44	50	56	...	a 59.1
St. Matthews §§	Maximum	94	91	92	89	86	90	95	97	78	76	74	76	75	80	[illegible]	71	81	85	83	87	84	86	87	87	69	74	75	77	72	75	...	82.2
	Minimum	71	69	70	68	60	62	67	68	67	51	47	57	57	54	54	61	62	69	69	66	59	57	59	62	60	49	47	46	53	53	...	59.8
Society Hill §§	Maximum	92	93	88	88	93	97	99	82	78	67	76	76	81	81	71	84	77	87	88	88	88	88	88	89	88	67	74	76	76	83	...	83.4
	Minimum	67	71	67	58	59	64	67	63	48	44	55	57	53	53	61	63	69	68	65	57	57	56	56	56	58	60	49	43	46	48	...	57.9
Summerville	Maximum	93	90	91	90	89	89	91	92	80	75	78	76	77	76	80	74	80	84	80	85	83	84	84	86	75	73	75	75	69	71	...	81.5
	Minimum	71	70	70	69	67	65	66	70	69	54	50	61	60	58	59	65	70	72	71	69	62	58	60	62	63	52	53	50	56	62	...	62.8
Walterboro	Maximum	94	92	92	92	91	92	96	96	77	77	79	79	79	79	81	75	86	82	...	84	90	88	87	87	75	76	...	78	79	92	...	b 81.8
	Minimum	70	69	71	70	66	67	66	...	68	53	47	63	61	58	58	65	68	71	...	70	70	72	59	61	62	51	...	51	48	57	...	c 62.7
Yemassee §§	Maximum	92	91	92	92	89	91	92	94	76	76	80	80	79	80	81	73	84	86	84	89	85	86	86	87	69	76	79	79	70	70	...	82.9
	Minimum	65	68	68	68	67	68	64	65	65	55	44	45	60	55	57	58	64	67	69	67	62	55	57	61	64	50	53	48	50	59	...	59.9
Western Portion.																																	
Aiken	Maximum	94	93	91	90	88	91	95	96	85	80	75	77	75	78	78	78	83	85	83	88	85	86	86	79	71	73	75	77	73	78	...	82.9
	Minimum	70	69	67	66	62	67	55	60	50	50	52	56	58	55	54	54	63	69	69	66	62	60	61	64	59	52	51	52	56	57	...	59.6
Anderson	Maximum	96	98	92	91	91	92	97	96	80	80	69	65	71	75	78	79	77	83	83	90	96	92	91	78	72	77	75	71	71	84	...	83.0
	Minimum	67	71	70	63	64	64	63	68	65	58	58	59	58	54	51	59	64	69	69	66	66	64	64	64	56	50	51	55	56	57	...	61.8
Batesburg §§	Maximum	95	91	90	88	87	90	90	89	84	76	70	75	73	77	74	70	78	85	86	85	86	80	84	75	65	71	75	72	74	78	...	81.4
	Minimum	66	67	67	65	59	62	67	68	65	53	53	54	58	53	52	55	59	66	65	62	60	57	60	60	57	50	54	50	55	56	...	59.2
Camden §§	Maximum	92	92	91	90	88	90	89	84	74	75	67	69	72	78	78	71	80	85	83	87	86	87	87	87	65	73	75	75	75	79	...	81.8
	Minimum	71	71	70	70	65	65	66	67	67	53	50	51	61	55	55	62	62	71	71	67	60	60	58	58	61	51	60	61	61	57	...	61.9
Clemson College	Maximum	87	89	85	83	81	87	87	87	84	74	72	70	72	72	75	77	76	80	79	83	83	83	83	82	72	73	72	72	71	75	...	78.8
	Minimum	67	68	72	65	60	61	60	68	68	60	62	58	59	62	67	61	65	69	70	65	67	63	61	63	59	47	47	52	53	57	...	61.9
Columbia	Maximum	91	91	89	87	86	88	94	94	75	75	69	73	71	76	77	69	78	82	80	88	81	86	85	81	63	73	75	75	72	75	...	80.1
	Minimum	73	71	69	69	63	66	70	71	62	55	55	58	59	56	56	61	66	71	70	68	62	62	62	63	55	51	51	52	55	59	...	62.0
Greenville §§	Maximum	90	90	86	87	86	88	91	90	80	79	62	69	75	77	81	80	75	83	81	88	84	85	84	76	77	79	77	76	77	81	...	81.1
	Minimum	66	67	68	59	58	59	60	64	63	56	56	57	57	53	53	54	57	60	68	64	63	64	59	59	55	51	44	49	52	55	...	58.3
Greenwood §§	Maximum	93	92	89	85	85	89	93	94	78	75	68	68	72	76	76	73	77	83	78	84	83	83	84	72	67	71	72	71	71	74	...	79.3
	Minimum	70	70	70	64	59	62	62	67	66	54	55	57	57	53	52	53	58	65	68	65	61	63	62	62	57	50	47	51	52	54	...	59.5
Heath Springs	Maximum	92	87	78	85	82	89	93	87	78	75	62	67	67	74	75	66	75	74	83	86	85	85	87	75	67	73	73	74	70	76	...	77.8
	Minimum	69	69	65	65	61	63	69	69	62	48	51	55	55	51	52	58	62	63	68	66	59	60	62	62	58	48	49	52	50	53	...	59.1
Liberty	Maximum	93	94	89	88	89	91	94	96	77	77	71	72	74	78	80	79	74	82	85	89	89	87	88	77	74	77	78	74	76	80	...	82.3
	Minimum	65	69	71	63	57	57	64	67	67	67	60	59	57	56	85	56	64	69	68	63	66	63	60	64	56	55	43	49	53	57	...	60.7
Little Mountain	Maximum	94	95	93	91	90	89	96	96	76	75	67	70	70	73	77	70	78	84	85	86	87	87	88	78	75	73	72	71	75	78	...	82.0
	Minimum	70	70	70	69	70	75	69	68	57	54	56	56	54	53	53	59	64	70	67	65	64	67	68	66	60	50	51	51	52	55	...	61.6
Meriwether	Maximum	97	93	92	90	91	95	98	98	80	79	78	79	76	79	79	71	85	88	86	89	88	88	80	78	67	75	76	77	78	78	...	83.5
	Minimum	68	68	69	66	56	63	67	67	60	56	51	56	59	54	52	60	64	66	68	65	62	57	58	64	58	49	57	49	54	54	...	59.7
Monetta	Maximum	93	93	89	86	88	90	94	92	81	76	71	76	72	77	77	73	80	84	83	88	87	87	86	78	68	72	75	75	76	78	...	81.5
	Minimum	69	70	69	67	60	64	68	68	65	54	52	57	59	54	54	60	63	71	71	71	71	68	61	64	60	51	50	53	55	57	...	61.7
Newberry	Maximum	96	97	94	90	89	92	96	97	85	76	70	68	72	76	78	70	80	85	80	88	87	89	89	79	67	73	75	74	74	77	...	82.1
	Minimum	68	70	71	68	60	62	66	67	63	54	53	57	58	53	53	60	63	70	69	65	60	60	58	62	59	49	46	50	54	57	...	60.2
Saluda	Maximum	99	97	94	90	92	93	100	98	95	85	72	77	76	80	80	70	80	87	95	90	87	88	90	78	75	76	79	78	74	80	...	85.2
	Minimum	63	68	69	66	52	59	64	66	66	53	49	56	58	53	52	59	63	70	69	68	58	56	57	64	58	45	43	46	53	56	...	58.6
Santuck	Maximum	96	97	92	88	88	93	97	95	76	77	68	66	70	76	77	71	79	85	87	90	90	90	90	77	70	74	76	73	74	80	...	82.1
	Minimum	68	69	70	65	60	59	67	65	63	53	51	55	57	52	53	59	64	69	67	66	61	60	58	63	56	48	46	50	51	55	...	59.3
Spartanburg §§	Maximum	95	96	90	86	87	91	97	91	75	78	63	69	71	75	77	75	76	82	84	89	90	91	90	78	71	75	78	74	75	81	...	81.7
	Minimum	60	70	70	60	59	59	65	65	60	55	56	57	57	52	52	53	58	64	67	64	61	62	63	63	55	47	46	50	51	52	...	58.4
Trenton	Maximum	95	94	90	90	91	93	96	94	80	77	72	78	74	78	70	80	86	79	81	89	87	88	87	75	67	63	76	75	76	75	...	81.9
	Minimum	66	70	69	67	62	64	69	70	67	55	55	54	58	54	53	59	64	70	70	68	62	61	63	64	58	52	51	53	55	57	...	61.3
Winnsboro	Maximum	90	90	87	88	85	86	93	90	75	72	65	66	70	75	74	78	80	82	80	80	86	85	88	80	72	70	75	72	70	75	...	79.3
	Minimum	72	70	70	70	65	61	70	68	60	54	54	51	50	51	51	57	60	69	67	66	68	62	62	62	56	50	51	56	52	55	...	60.3
Winthrop College	Maximum	94	96	90	90	89	90	95	93	81	71	70	68	72	75	75	71	80	82	86	86	82	89	89	83	67	72	75	74	73	79	...	81.2
	Minimum	71	70	69	64	60	61	67	67	61	50	53	54	56	52	51	57	63	62	66	69	62	62	62	62	57	49	46	51	51	55	...	59.3

a, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
No Rain.
No Rain.
A.

(CONTINUED FROM PAGE 67.)

MISCELLANEOUS PHENOMENA.

Earthquake (date).—22: Columbia, 2:07 a. m., noted by a few persons only; Pinopolis, about 2 a. m.; Summerville, 2:04 a. m., decided shock; Sumter, rumbling, followed by a slight tremor of a few seconds, causing windows to rattle, 2:10 a. m.; Walterboro, 2:10 a. m., motion from west to northwest, lasting only two or three seconds.

Fog, dense (dates). Blackville, 21, 23; Cheraw, 21, 24; Columbia, 4; Liberty, 12.

Halos (dates).—Lunar: Charleston, 4, 27, 29; Columbia, 3, 27, 28, 29; Gaston Shoals, 29; Greenville, 27. Solar: Columbia, 28, 29, 30; Santuck, 24, 28, 29, 30.

Thunderstorms (dates).—Bowman, 9, 18; Charleston, 3, 4, 5, 17, 18; Cheraw, 3, 8, 18, 19; Columbia, 2, 3, 8, 17; Effingham, 3; Gaston Shoals, 3, 24; Greenville, 3, 18; Liberty, 2, 3, 7, 17, 18; Monetta, 3; Newberry, 3, 4; Santuck, 18, 24; Summerville, 1, 3; Trenton, 8.

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature.			Precipitation.		Average number of days—			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Pt. Cldy.	Cloudy.	
1887	72.2	101	34	1.12	4	....	....	....	e.
1888	69.6	93	31	9.86	13	....	....	....	ne.-e.-s.
1889	72.1	98	40	3.34	5	....	....	....	se.
1890	72.9	98	49	7.84	16	....	....	....	ne.
1891	74.3	92	50	2.66	....	....	....	....	ne.
1892	72.5	93	40	6.41	....	....	....	....	ne.
1893	74.7	98	46	4.42	7	14	7	9	sw.
1894	75.0	100	52	6.51	12	12	10	8	ne.
1895	76.9	106	35	1.29	4	17	8	5	ne.
1896	75.0	195	39	2.94	5	17	8	5	ne.
1897	73.3	100	42	2.91	4	17	7	6	ne.
1898	76.0	96	48	4.06	7	12	10	8	ne.
1899	72.8	102	34	2.55	6	17	8	5	ne.
1900	77.1	100	45	2.83	5	19	8	3	ne.
1901	73.1	98	46	4.66	6	15	8	7	ne.
1902	72.1	98	43	3.74	8	13	9	8	ne.
1903	72.7	100	41	3.62	5	17	7	6	ne.
1904	75.8	101	44	2.46	4	19	7	4	ne.
1905	76.2	98	49	1.91	4	16	8	6	ne.
1906	78.0	98	55	4.85	9	10	12	8	ne.
1907	76.0	99	45	5.91	9	13	11	6	w.
1908	72.4	94	40	2.86	4	15	9	6	ne.
1909	72.0	98	39	3.74	7	13	9	8	ne.
1910	75.8	103	46	3.10	7	15	12	3	ne.
1911	78.9	100	50	3.33	8	13	13	4	sw.
1912	77.7	109	47	5.91	11	10	7	13	e.
1913	71.7	99	40	4.66	9	14	7	9	ne.
1914	71.3	101	43	3.63	7	14	9	7	ne.
Averages	74.2	109	31	4.04	7	15	9	6	ne.

MISCELLANEOUS DATA FOR SEPTEMBER, 1914.

Stations.	Barometer—sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Sunshine—total hours.	Relative humidity—percent.	Wind.	
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.			Average hourly velocity—miles.	Prevailing direction.
Asheville, N. C.	30.15	65.1	86	40	2.09	0.96	243.4	80	6.6	se.
Augusta, Ga.	30.12	72.6	95	52	2.48	1.74	220.0	76	6.2	ne.
Charleston, S. C.	30.09	74.4	92	57	4.69	2.38	258.1	77	11.1	ne.
Charlotte, N. C.	30.15	69.2	92	49	2.02	1.16	237.7	73	6.2	ne.
Columbia, S. C.	30.13	71.0	94	51	2.60	1.09	239.9	76	6.6	ne.
Savannah, Ga.	30.08	74.5	94	55	3.07	1.68	155.3	82	9.5	ne.
Wilmington, N. C.	30.12	70.8	92	50	5.39	2.09	251.1	82	7.4	ne.
Averages	30.12	71.1	[a] 95	[a] 40	3.19	[b]2.38	229.4	78	7.7	ne.

[a] Extremes. [b] Greatest.

Errata -August, 1914.

CLEMSON COLLEGE. Mean temperature (page 60) should be 77.0

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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

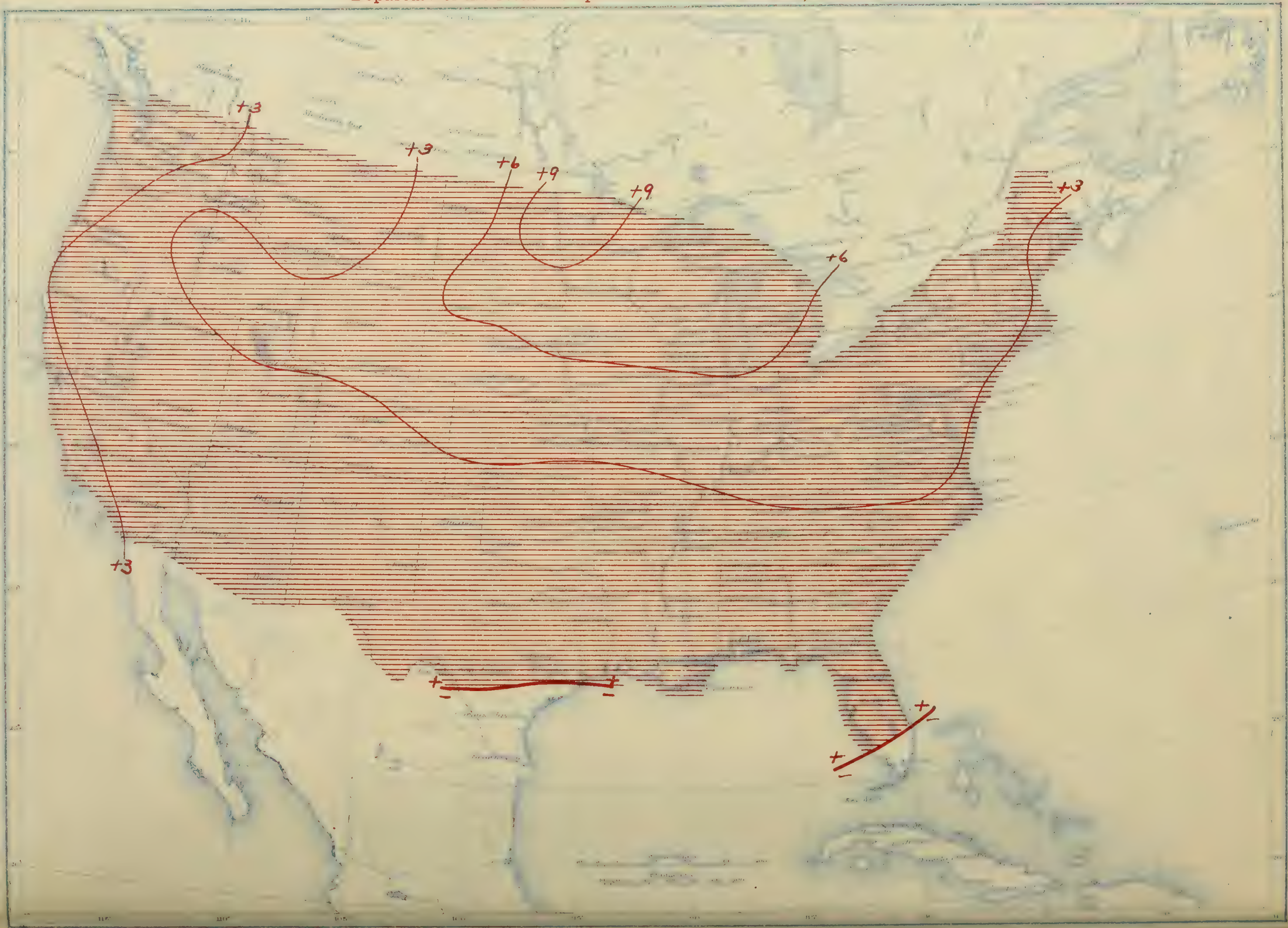
SOUTH CAROLINA SECTION

OCTOBER, 1914

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
November 30, 1914.

Departure of the Mean Temperature from the Normal, October, 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

Vol. XVII. Columbia, S. C., October, 1914. No. 10.

GENERAL SUMMARY.

Ideal weather prevailed during October, except the periods 10th to 13th, when the daily mean temperatures ranged 5° to 10° above the normal, and 28th to 31st, when the daily means were 5° to 15° below the seasonal average. Field operations were delayed by surplus rainfall during the first week of the month, and the prevailing cool weather and cloudiness were not favorable for the proper development of early cotton and more than slow growth of the late-planted crop. Meantime rain was still needed over the northwestern counties. Higher temperatures toward the close of the second week materially improved general crop conditions on the coastal plain, and much land on the Piedmont was put to oats. Showery weather during the third week caused considerable damage to pea-hay and corn fodder that were down, delayed cotton picking and injured opening bolls to some extent. However, much needed rains in the northwestern counties were especially beneficial, while the crop situation throughout the section showed additional improvement. Heavy rainfall in the upper Catawba watershed on the 16th was followed by moderate floods in the lower Catawba, Wateree and Santee rivers during the period, 17th to 23d; losses due to suspension of business were nominal, while the value of movable property saved by warnings of the Weather Bureau was estimated at $6,600. Aside from a wet period on the 23d and 24th, the succeeding week was generally favorable for cotton picking, harvesting of staple crops, growth of fall truck and preparing an increased acreage for grain and general farming next season. The last four days of the month were marked by light to killing frosts throughout the Section, which checked all growth, with late-planted cotton fairly matured.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.08 inches. The highest pressure in the region covered by reports was 30.35 inches at Asheville, N. C., on the 31st; lowest, 29.73 inches at Charleston and Columbia, S. C., and Wilmington, N. C., on the 26th.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 40 stations was 64.7 degrees, or 1.6 degrees above the established normal. The highest temperature was 92° at Blackville, Barnwell Co., on the 11th. The warmest period of the month was between the 10th and 13th, when practically all the highest temperatures at the several stations were recorded. The lowest temperature was 26° at Liberty, Pickens Co., on the 28th. The coolest period was the last four days of the month, when light to killing frosts were general throughout the Section.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 85 percent; 8 p. m., 77 percent. The highest average percentages occurred over the Savannah River watershed and the extreme southern coast districts.

PRECIPITATION.

The average for the Section, 51 stations reporting, was 3.44 inches, or 0.31 inch above the established normal. The rainy periods were from the 2d to the 6th, from the 14th to 16th and on the 23d and 24th. While the precipitation was unequally distributed as a whole, the northwestern counties, which have suffered a prolonged semi-drought, were favored with more than the usual amount for the season, the measurements in this district and in the coast counties ranging from 4 to over 6 inches. In a large area of the interior, however, the average rainfall was below 3 inches. The greatest local amount was 6.51 inches at Liberty, Pickens Co.; least local amount, 1.17 inches at St. Matthews, Orangeburg Co. The greatest amount during any 24 hours was 5.05 inches at Liberty, Pickens Co., on the 15th. The average number of days with appreciable amounts of precipitation was somewhat above normal.

WIND.

The prevailing winds were from the northeast. The average hourly velocity, determined from 7 anemometer records, was 7.1 miles. The highest average velocity in the region covered by reports was 9.7 miles per hour at Savannah, Ga., and the lowest average, 5.2 miles per hour at Augusta, Ga. In the Section proper the averages were 6.2 miles per hour at Columbia and 9.1 miles per hour at Charleston. The highest velocity for any 5-minute period was 36 miles per hour from the east at Charleston on the 3d.

SUNSHINE AND CLOUDINESS.

The average total hours of sunshine, determined from 7 automatic records, was 186.2, or 53 percent of the possible amount. The average number of clear days was 13; partly cloudy, 7; and cloudy, 11, as against normals of 17, 7 and 7 days, respectively.

RIVER CONDITIONS.

Heavy rains in the upper Catawba drainage area on the 16th were followed by moderate floods in the lower Catawba, Wateree and Santee rivers between the 17th and 23d. At Catawba the river rose to 13.0 feet by the 17th, or 2.0 feet above flood. The crest of the flood in the Wateree at Camden was 26.7 feet at 11 a. m. on the 18th, or 2.6 feet above flood. At Rimini, the Santee River rose to a crest of 12.7 feet on the 20th, or 0.7 feet above flood, and the water was above flood stage from the 19th to the close of the 22d. At Ferguson the Santee River was above flood from the 21st to the 23d, with a crest of 12.4 feet, or 0.4 feet above flood. The losses due to suspension of business are estimated at $110, and the value of movable property saved by warnings of the Weather Bureou is estimated at $6,600.

(CONTINUED ON PAGE 80.)

Climatological Data for October, 1914.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on (0.01 in. or more)	Clear.	Part cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	25	66.0	+1.2	87	11	33	29	37	1.70	−0.72	0.80	0	4	13	4	14	......	H. B. Harris.
Beaufort	Beaufort	21	27	^{b}67.6	0.0	^{b} 84	13	^{b} 40	28	^{b}33	4.65	+1.38	1.47	0	5	16	7	8	ne.	Miss Lillian H. Rice.
Blackville	Barnwell	296	25	66.4	+0.9	92	11	31	28	41	4.04	+1,07	0.82	0	10	13	6	12	......	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	11	65.2	+1.1	89	12	30	† 28	39	4.92	+2.33	1.35	0	10	18	2	11	w.	B. O. Evans.
Charleston	Charleston	48	43	68.4	+1.3	84	11	40	28	22	4.14	+0.21	2.77	0	11	13	5	13	ne.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	24	63.9	+2.5	85	† 10	28	29	38	2.58	−0.28	0.56	0	9	....	....	....	......	J. H. Powe.
Conway	Horry	25	28	64.6	+0.7	86	11	32	28	36	3.08	−0.44	0.93	0	9	....	....	....	......	Paul Quattlebaum.
Darlington	Darlington	175	18	64.4	+1.1	86	11	28	28	43	2.40	−0.57	0.75	0	10	13	4	14	......	D. C. McCall.
Dillon	Dillon	100	10	62.4	+1.5	86	11	30	28	38	4.76	+1.30	2.95	0	11	....	....	....	......	A. E. Rowell.
Edisto ‡‡	Bamberg	143	26	......	......	......	......	......	......	....	1.96	−0.32	0.68	0	7	....	....	....	......	Nathan Jenkins.
Effingham	Florence	106	21	......	......	......	......	......	......	....	2.75	−0.31	0.77	0	11	....	....	....	......	H. B. McCall.
Ferguson	Orangeburg	63	28	66.8	+3.7	87	11	32	† 29	36	3.69	+0.73	1.95	0	6	....	....	....	......	Joseph P. Simons.
Florence	Florence	136	25	65.8	+2.5	88	13	31	28	38	2.66	−0.48	1.05	0	6	....	....	....	......	H. K. Gilbert.
Georgetown	Georgetown	12	19	68.2	+2.9	88	11	33	† 28	43	4.25	+0.66	2.85	0	3	13	16	2	ne.	A. P. Hazard.
Kingstree	Williamsburg	54	25	66.4	+0.9	89	10	32	† 28	38	5.72	+2.99	2.90	0	7	16	4	11	ne.	A. O. Matthews.
Pinopolis **	Berkeley	54	20	66.3	+2.3	82	12	36	† 27	....	4.38	+1.33	1.84	0	7	8	7	16	......	Miss E. P. Ravenel.
Rimini	Clarendon	97	4	......	......	......	......	......	......	....	2.40	....	0.90	0	7	13	3	15	......	William B. Wolfe.
St. George	Dorchester	109	25	66.4	+2.1	89	11	30	29	43	3.43	+1.11	1.20	0	7	....	....	....	se.	Geo. N. Snelling, M. D.
St. Matthews	Calhoun	269	25	65.0	+1.2	88	† 11	30	28	39	1.17	−1.56	0.27	0	8	10	11	10	s.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	18	......	......	......	......	......	......	....	3.93	+0.30	1.63	0	11	....	....	....	......	W. G. Walker.
Society Hill	Darlington	192	22	^{a}64.3	+2.6	88	† 10	28	28	^{a}42	2.63	−0.52	0.95	0	7	12	10	9	ne.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	16	66.0	+1.1	83	13	34	28	31	4.14	+0.22	1.66	0	11	3	20	8	e.	Miss E. H. Gadsden.
Walterboro	Colleton	69	11	^{b}67.0	+0.5	^{b} 89	11	^{b} 32	28	39	2.98	−0.30	0.92	0	8	9	13	9	......	J. A. Westerberg.
Yemassee	Hampton	24	18	65.6	+0.9	87	† 11	29	29	42	3.22	+0.73	1.27	0	9	20	3	8	ne.	J. G. Hutson.
Division means and extremes		......	....	65.8	+1.6	92	11	28	† 28	43	3.40	+0.39	2.95	0	8	13	7	11	ne.	
Western Portion.																				
Aiken	Aiken	527	19	64.9	−0.6	87	11	32	28	45	2.82	−0.13	0.68	0	8	13	9	9	e.	W. M. Brown.
Anderson	Anderson	764	12	64.8	+2.8	87	11	31	28	38	3.44	+0.51	1.46	0	6	15	2	14	w.	H. H. Russell.
Batesburg	Lexington	656	25	63.8	+0.8	86	11	30	28	33	3.09	−0.16	0.82	0	8	....	....	....	......	E. J. Hite.
Blairs	Fairfield	293	10	......	......	......	......	......	......	....	1.90	−0.72	0.70	0	7	....	....	....	......	J. N. Owens.
Calhoun Falls	Abbeville	508	21	......	......	......	......	......	......	....	3.44	+0.61	1.32	0	8	....	....	....	......	L. M. Parker.
Camden	Kershaw	222	47	64.7	......	86	11	32	29	27	2.64	−0.13	0.68	0	11	16	3	12	ne.	W. C. Brown.
Catawba	York	562	8	......	......	......	......	......	......	....	3.29	....	1.78	0	7	....	....	....	......	James C. Faris.
Chappells	Newberry	402	10	......	......	......	......	......	......	....	3.00	−0.72	0.70	0	12	....	....	....	......	J. J. Murran.
Clemson College	Oconee	850	22	62.2	+0.9	80	11	29	28	32	4.57	+1.22	2.97	0	8	18	3	10	e.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	27	64.4	+0.4	86	11	34	28	33	2.70	−0.15	0.80	0	8	14	6	11	ne.	U. S. Weather Bureau.
Edgefield	Edgefield	......	....	......	......	......	......	......	......	....	3.72	....	0.95	0	8	....	....	....	......	T. L. Timmerman.
Gaston Shoals ‡‡	Cherokee	680	1	......	......	......	......	......	......	....	3.98	....	1.61	0	9	....	....	....	......	Harry A. Parshall.
Greenville	Greenville	989	21	62.2	+1.9	84	11	27	28	39	4.63	+1.70	2.21	0	9	16	6	9	w.	Spartan Goodlette.
Greenwood	Greenwood	671	25	61.4	−0.6	83	11	29	28	35	4.07	+1.29	1.20	9	7	....	....	....	......	M. M. Calhoun.
Heath Springs	Lancaster	568	12	62.4	+1.0	83	† 9	28	† 28	43	2.52	−0.12	1.00	0	6	11	6	14	w.	J. Marvin Bowers.
Liberty	Pickens	900	19	63.2	+2.5	84	11	26	28	42	6.51	+3.11	5.05	0	10	14	5	12	sw.	John T. Boggs.
Little Mountain	Newberry	711	20	64.1	0.0	85	11	32	28	36	2.46	−0.58	0.98	0	8	20	2	9	se.	J. M. Sease, M. D.
Meriwether	Edgefield	......	10	^{b}63.6	+0.3	^{b} 89	11	^{b} 29	28	^{b}38	3.20	+0.93	0.96	0	9	10	6	15	......	William S. Middleton.
Monetta	Saluda	400	7	65.4	......	85	† 8	31	28	36	3.24	....	1.38	0	11	10	12	9	ne.	Joseph M. Johnson.
Newberry	Newberry	502	26	63.6	+1.2	87	11	29	28	37	2.33	−0.69	0.48	0	11	9	12	10	e.	Warren G. Petterson.
Pelzer	Anderson	850	10	......	......	......	......	......	......	....	4.32	+1.11	1.32	0	6	....	....	....	......	Joshua Y. Jones.
Saluda	Saluda	536	11	63.4	+0.7	88	11	28	28	42	4.34	+1.43	1.56	0	9	20	1	10	w.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	19	63.4	+2.0	85	11	28	28	38	2.71	−0.57	0.65	0	10	11	11	9	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	22	62.0	+1.1	86	11	28	† 28	37	4.71	+2.00	1.85	0	8	....	....	....	......	F. P. Robinson.
Trenton	Edgefield	620	20	^{j}65.3	+1.0	^{j} 85	13	^{j} 32	28	^{j}31	3.98	+0.68	1.00	0	8	....	....	....	......	C. A. Long.
Winnsboro	Fairfield	545	24	63.0	−0.4	82	† 10	30	28	40	2.30	−0.81	0.75	0	7	20	3	8	se.	J. W. Seigler.
Winthrop College ‡‡	York	690	13	63.0	+1.2	84	11	28	28	38	3.85	+1.14	1.50	0	5	9	13	9	sw.	W. P. Goodman.
Division means and extremes		......	....	63.5	+0.9	89	11	26	28	45	3.47	+0.48	5.05	0	8	14	6	11	ne.	
State means and extremes		......	....	64.7	+1.6	92	11	26	28	45	3.44	+0.31	5.05	0	8	13	7	11	ne.	

The departures from the normal temperature and precipitation are computed for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb: means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily Precipitation for October, 1914.

Stations.	Watershed.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ||||	Savannah			.40				.80								.30									.20								1.70
Beaufort	Coast		1.47				1.18							.10	.50	1.40																	4.65
Blackville ||||	Edisto			.68	.01	.01		.76					.29		.27	.82	.25							.75	.20								4.04
Bowman	do	.20	.40			.10	.07							1.30	.27	1.35	.08							1.10	.05								4.92
Charleston ***	Coast		2.36	.41	.02	.10	.19						T.	.25	.32	.10	T.						.05	.26	.08		T.						4.14
Cheraw ||||	Pedee			.52	.22			.11					.56		.44	.06	.39							.03	.25								2.58
Conway ||||	Waccamaw	T.		.44	.26	T.	.03						.47	.93	.11	T.	.17	T.						.25	.42	T.							3.08
Darlington ||||	Pedee			.70	.18	.05	.10	.05					.12		.27	.08	.75							T.	.10								2.40
Dillon	Little Pedee		.02	.65	.02	T.	T.					.06			2.95	.31	.29						.03	.30	.12		.01						4.76
Edisto ||||	Edisto			.68				.18					.18			.30	.16						.40		.06								1.96
Effingham ||||	Lynches			.77	.03	.67	.07						.07		.60	.06	.18							T.	.30								2.75
Ferguson ||||	Santee			.65											1.95		.34							.70	.05								3.69
Florence ||||	Pedee			.65	.19	T.									1.05	.12	.45						T.		.20								2.66
Georgetown	Coast		1.25	2.85									T.		T.	T.	.15						T.										4.25
Kingstree ||||	Black			.50			T.							.27	2.90	.07	.50							.08	1.40								5.72
Pinopolis	Cooper		1.84			.06	.05						.67		.47	.51							.78										4.38
Rimini	Santee	.03		.49	.03										.10	.09	.90							.39	.37								2.40
St. George ||||	Edisto			1.20			.03	.03								.16	1.03							.93	.05								3.43
St. Matthews ||||	Santee	.05		.20				.20								.15	.12							.20	.25								1.17
Smiths Mills ||||	Pedee			.72	.20	.05	.05	T.					.43		.25	.03	.53	.04						.38	1.25								3.93
Society Hill ||||	do		.50	.13		.07								.13	.02	.83								.95									2.63
Summerville	Ashley	T.	.30	1.66		.13	.13	.02					.26		.11	.20	.13						T.	.61		.59							4.14
Walterboro	Ashepoo		.54	.48		.07	.27								.30	.92	.26							.14									2.98
Yemassee ||||	Combahee	.25	T.	1.27		.05	.01	.96								.31	.26							.09	.01								3.22
Western Portion.																																	
Aiken	Edisto		.37	.68	.05		.47								.40	.35								.30	.20								2.82
Anderson	Savannah		.40	.50											.70	1.46	.04							.28	.06								3.44
Batesburg ||||	Edisto			.66	.22	T.	.28	.82				T.				.24	.17							.42	.28								3.09
Blairs	Broad			.30	.28	.05		.25								.28	.70							.04									1.90
Calhoun Falls ||||	Savannah			1.32	.08		.43					.25				.91	.45																3.44
Camden ||||	Wateree			.25	.16	.68	.14						.17			.18	.60							.22	.24								2.64
Catawba ||||	Catawba			.13	1.78	.26										.13	.66							.07	.26	T.							3.29
Chappells ||||	Saluda			.70	.20		.35	.22								.27	.59							.22	.45								3.00
Clemson College	Savannah			1.03	.04						.07					2.97								.22	.24								4.57
Columbia ***	Congaree		.23	.05		.11	.52					.12			.55	.32	T.						T.	.80	T.								2.70
Edgefield ||||	Savannah			.95	.10	.05	.95									.70	.50							.20	.27								3.72
Gaston Shoals ||||	Broad			.23	1.12	.11		T.				.04			.02	.24	1.61							.22	.30	.09							3.98
Greenville ||||	Saluda			.50	.51	.01									.15	.64	2.21		T.					.15	.43	.03							4.63
Greenwood ||||	do			.82	.25		.53									.81	1.20							.21	.25								4.07
Heath Springs	Wateree			.62	1.00		.07								.05	.28								.05									2.52
Liberty	Savannah		.24	.30	.40	.10					.06	.02			.06	5.05		T.						.18	.10	T.							6.51
Little Mountain	Saluda		.16	.27	.05	.02	.40									.98								.25	.33								2.46
Meriwether	Savannah		.60	.51	.02	.09	.57					T.			.20	.96								.15	.10								3.20
Monetta	Edisto		.22	.42	.01	.03	1.35					.04			.18	.21	.09							.61	.08								3.24
Newberry	Saluda		.20	.43	.04	.02	.41								.05	.48	.03							.21	.45	.01							2.33
Pelzer ||||	do			.94	.26										.36	.92	1.32							.28	.18	.06							4.32
Saluda	do		.48	.47	.05		.70								.10	.60	.08							1.56	.30								4.34
Santuck	Broad		.18	.49	.19	.01	.02					T.			.34	.65	.20							.49	.14								2.77
Spartanburg ||||	do			.45	.90	.02									.20	.28	1.85							.19	.67	15							4.71
Trenton	Edisto		.38	.55	.17	.12	1.00					T.			.70	.42								.64									3.98
Winnsboro	Broad		.75	.32		.28	T.							.20	.15	.35								.25	T.								2.30
Winthrop College	Catawba			1.50	.85	.40										.80								.30									3.85

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

Daily Temperatures for October, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	79	66	74	78	75	73	81	82	84	85	87	85	85	76	72	71	75	78	77	77	77	77	65	74	73	79	61	60	70	66	69	75.2
	Minimum	65	64	59	65	67	67	61	59	61	60	64	65	64	65	67	62	50	50	51	55	54	54	58	58	61	57	52	34	33	41	36	56.7
Beaufort	Maximum	74	75	77	77	78	76	78	78	80	81	81	....	84	84	77	71	75	76	76	75	75	75	75	75	....	72	68	59	65	71	75	[b] 75.3
	Minimum	59	63	66	68	70	67	65	64	64	64	64	...	67	66	65	62	60	60	58	58	58	68	65	58	....	61	50	40	42	42	43	[b] 59.9
Blackville §§	Maximum	80	65	72	78	77	73	85	89	88	89	92	86	89	75	76	71	75	77	83	81	82	81	68	78	76	79	62	61	70	69	75	77.5
	Minimum	62	62	59	62	62	66	59	58	61	60	64	65	62	64	65	60	48	50	51	55	51	51	56	59	59	56	51	31	32	41	35	55.4
Bowman	Maximum	77	70	72	76	77	78	80	82	85	86	88	89	80	78	75	73	75	76	77	78	78	77	70	78	78	72	62	60	65	68	71	75.8
	Minimum	62	58	58	60	64	65	66	67	66	65	62	62	61	60	58	55	48	45	50	51	52	55	56	58	58	55	50	30	30	32	35	54.6
Charleston	Maximum	77	72	77	76	77	76	79	78	77	82	84	83	79	76	77	76	74	77	74	75	77	75	70	75	72	72	66	57	69	65	67	74.5
	Minimum	68	67	69	68	71	69	66	67	65	68	69	72	70	70	71	64	59	58	60	64	61	61	60	64	61	62	47	40	47	48	49	62.4
Cheraw §§	Maximum	82	72	70	78	74	53	82	83	84	85	85	78	78	72	73	73	72	75	76	76	78	68	67	67	73	76	56	58	67	62	70	73.6
	Minimum	52	56	58	64	65	65	57	60	58	58	64	63	63	62	68	67	50	50	52	50	49	56	58	61	54	50	51	29	28	35	32	54.2
Conway §§	Maximum	80	68	74	68	73	74	83	82	85	85	86	85	82	77	77	78	73	77	77	75	79	66	73	79	71	71	60	58	68	66	70	72.7
	Minimum	58	59	62	64	66	65	55	62	63	61	61	62	63	66	68	72	57	52	50	51	54	56	59	63	57	55	53	32	34	38	34	56.5
Darlington §§	Maximum	84	72	69	80	77	74	85	85	85	85	86	85	81	72	74	72	73	78	78	77	79	69	70	72	74	78	63	60	68	69	74	75.7
	Minimum	50	55	57	59	64	64	56	56	51	60	64	62	62	63	64	65	51	50	46	48	48	50	56	61	57	50	52	28	29	37	31	53.2
Dillon	Maximum	68	70	68	68	68	68	68	67	69	85	86	81	70	74	72	73	64	57	76	74	76	67	68	69	74	77	62	59	68	66	70	70.4
	Minimum	51	57	59	64	65	64	61	57	58	59	63	65	60	63	67	64	53	48	50	50	50	55	58	62	52	54	42	30	31	39	33	54.3
Ferguson §§	Maximum	84	66	75	81	75	81	85	85	86	84	87	86	85	72	75	70	70	79	79	78	78	71	74	77	73	73	60	58	68	65	70	75.9
	Minimum	61	63	63	64	68	66	62	61	61	66	63	67	66	67	70	68	52	53	53	55	54	54	58	60	63	55	55	44	32	32	34	57.7
Florence §§	Maximum	81	72	66	78	80	78	82	80	85	85	86	85	88	82	84	78	75	78	76	74	78	76	70	71	74	78	59	65	72	68	71	76.6
	Minimum	57	56	58	60	65	66	60	58	58	60	63	65	64	65	64	66	52	51	50	50	52	54	53	62	55	54	53	31	32	40	35	55.1
Georgetown	Maximum	74	73	73	76	80	82	81	82	85	87	88	86	85	82	78	76	80	72	72	76	86	76	82	80	76	77	76	62	68	68	76	77.7
	Minimum	62	61	63	62	62	62	62	63	67	63	62	66	68	66	71	71	58	56	52	58	62	66	66	62	52	60	55	33	33	45	36	58.7
Kingstree §§	Maximum	81	79	70	83	75	77	84	85	86	89	88	86	86	84	76	80	75	79	78	77	78	74	78	77	71	79	61	60	70	66	71	77.5
	Minimum	50	60	61	54	66	65	62	58	60	60	61	67	64	63	67	68	48	50	50	56	52	55	57	64	57	54	54	32	32	36	33	55.4
St. George §§	Maximum	81	70	79	80	75	78	85	87	87	87	89	86	87	75	75	73	77	79	82	81	80	78	69	74	80	79	62	63	71	69	75	77.8
	Minimum	55	56	64	62	63	65	60	56	60	60	61	66	64	65	67	63	48	48	50	53	52	53	55	60	58	59	51	31	30	35	32	54.9
St. Matthews §§	Maximum	80	65	71	76	74	73	82	85	86	86	88	88	84	74	74	73	74	77	79	77	77	75	69	73	74	79	67	61	70	69	72	75.9
	Minimum	57	60	57	66	65	64	58	56	57	59	63	65	61	64	66	63	48	47	48	50	50	50	53	59	56	54	52	30	31	40	33	54.1
Society Hill §§	Maximum	73	70	74	78	75	83	84	86	87	88	88	88	71	73	74	75	77	78	78	78	69	67	69	75	77	60	60	70	61	71	76	75.2
	Minimum	56	57	61	64	65	56	55	58	59	63	62	62	62	66	66	49	51	47	48	47	46	56	60	56	50	50	....	28	37	32	34	[a] 53.4
Summerville	Maximum	78	72	73	77	74	76	80	79	81	81	82	82	83	74	74	74	71	75	75	74	75	75	70	76	72	73	68	57	66	64	67	74.1
	Minimum	64	62	64	67	69	67	64	61	62	62	62	67	67	68	69	64	53	53	53	56	55	57	58	61	59	56	49	34	35	41	38	58.0
Walterboro	Maximum	81	74	76	80	77	79	84	84	...	87	89	88	88	78	76	75	....	80	80	79	79	79	71	81	76	79	68	63	71	69	73	[b] 78.1
	Minimum	65	60	64	66	69	66	64	60	....	61	62	66	64	67	69	63	...	49	51	54	54	55	58	59	69	36	45	32	32	37	34	[b] 55.9
Yemassee §§	Maximum	80	68	78	80	80	78	82	83	85	86	87	86	87	78	77	72	75	76	80	79	79	80	66	78	78	78	64	62	71	69	74	77.3
	Minimum	61	66	59	64	66	67	63	58	59	58	58	64	62	61	66	63	49	48	49	50	49	50	50	52	51	55	52	30	29	31	32	53.9
Western Portion.																																	
Aiken	Maximum	81	72	65	70	74	71	80	84	83	84	87	84	85	79	73	70	71	76	76	77	75	75	69	71	70	77	65	57	67	63	69	71.2
	Minimum	61	56	56	59	62	64	58	60	60	62	65	62	58	64	66	55	47	49	52	55	54	52	56	60	59	55	48	32	56	40	42	55.6
Anderson	Maximum	80	73	61	69	73	80	84	85	85	83	87	84	82	74	71	69	69	75	79	80	76	75	67	68	72	75	69	59	68	67	70	74.5
	Minimum	55	55	54	60	63	61	54	65	60	62	66	58	59	61	64	55	52	55	56	57	57	55	57	57	57	56	46	31	39	41	39	55.0
Batesburg §§	Maximum	86	65	74	70	72	76	80	83	82	82	86	82	82	75	71	75	74	76	71	75	74	74	63	68	69	75	63	58	66	64	70	73.2
	Minimum	50	59	57	64	62	62	57	58	62	61	64	60	55	59	64	56	50	50	53	52	51	49	52	56	56	52	47	30	36	40	41	53.9
Camden §§	Maximum	82	68	66	80	75	71	82	85	84	85	86	84	82	80	73	72	73	75	76	76	76	73	70	72	74	77	57	59	59	60	72	74.3
	Minimum	55	60	60	61	66	66	57	57	57	58	62	65	65	65	68	65	48	48	49	49	52	52	52	61	62	57	53	34	32	34	37	55.1
Clemson College	Maximum	77	76	62	68	73	73	77	77	77	77	80	79	76	74	70	69	70	69	69	71	72	72	72	66	68	70	70	59	64	64	65	71.2
	Minimum	52	62	56	61	64	63	57	59	57	61	64	55	56	62	65	56	47	43	50	55	55	52	56	59	59	53	41	29	32	35	36	53.3
Columbia	Maximum	80	66	65	73	74	70	81	83	84	85	86	84	80	70	72	70	70	74	76	75	75	72	65	67	69	76	61	58	67	64	69	72.9
	Minimum	58	59	58	65	66	62	56	61	62	63	67	65	59	65	69	57	51	53	54	55	54	53	57	60	59	54	40	31	38	41	36	55.9
Greenville §§	Maximum	82	65	62	70	77	79	81	80	78	81	84	82	79	67	69	66	69	76	77	79	80	78	65	74	73	72	59	60	67	67	69	73.1
	Minimum	51	56	54	56	60	61	55	56	56	57	63	59	56	60	61	56	42	45	47	47	53	50	50	56	56	57	42	27	28	39	33	51.3
Greenwood §§	Maximum	78	61	60	66	67	71	77	80	80	80	83	80	80	67	70	65	68	72	75	73	74	73	60	61	67	73	54	56	65	63	68	70.0
	Minimum	55	55	55	57	61	63	57	60	60	62	63	60	56	57	61	55	47	48	50	50	55	50	50	57	58	55	47	29	30	37	37	52.8
Heath Springs	Maximum	76	72	72	73	71	76	78	81	83	83	81	82	75	69	70	68	69	71	72	73	70	69	62	70	70	73	63	62	61	62	71	71.7
	Minimum	52	57	56	57	58	63	58	57	64	64	64	63	63	62	66	62	47	51	46	48	49	48	57	56	56	53	48	28	28	28	40	53.2
Liberty	Maximum	81	70	60	69	78	79	82	82	83	79	84	81	78	71	70	68	68	72	74	75	76	75	67	61	72	75	68	58	65	64	67	72.6
	Minimum	50	60	54	60	63	63	63	67	65	65	62	55	57	61	61	55	54	56	46	54	57	52	58	55	58	55	40	26	34	35	33	53.9
Little Mountain	Maximum	81	72	68	70	71	70	79	82	82	83	85	84	86	75	70	71	70	72	73	75	75	75	73	64	67	73	68	66	65	65	68	73.3
	Minimum	60	60	57	60	62	61	59	62	63	60	63	62	59	65	67	58	50	50	52	54	52	50	58	60	60	57	48	32	38	39	40	54.9
Meriwether	Maximum	82	....	....	72	75	71	80	85	86	86	89	86	86	75	74	71	72	76	79	76	76	75	72	69	69	78	70	61	60	69	72	[c] 75.5
	Minimum	....	....	56	62	64	65	56	56	58	58	65	60	60	55	54	54	46	52	49	51	52	50	49	49	49	52	47	29	31	38	33	[b] 51.8
Monetta	Maximum	81	73	63	70	73	71	81	85	83	81	85	84	84	73	72	71	70	73	77	76	75	75	68	68	70	75	69	59	67	65	72	73.9
	Minimum	58	58	57	62	65	65	59	58	60	72	66	72	56	65	67	58	47	61	67	55	55	52	56	61	59	53	49	31	37	42	39	56.8
Newberry	Maximum	80	69	63	69	72	72	80	84	81	84	87	82	82	71	73	72	70	75	76	76	76	75	68	65	69	76	65	57	66	64	69	73.3
	Minimum	56	56	57	61	65	64	57	58	58	62	67	59	54	64	68	57	45	52	49	53	56	50	58	60	59	51	44	29	32	37	34	53.9
Saluda	Maximum	84	73	65	71	72	75	83	75	85	85	88	84	85	72	73	71	72	76	80	77	78	77	69	68	69	77	67	61	68	65	72	74.7
	Minimum	54	57	56	62	61	64	53	64	54	58	63	58	50	64	66	57	44	49	46	52	48	43	55	60	59	51	44	28	30	32	30	52.1
Santuck	Maximum	79	70	62	70	72	74	82	83	84	84	85	81	80	71	71	70	70	75	75	77	76	74	64	63	71	75	66	56	65	64	68	72.8
	Minimum	53	57	56	60	64	64	55	58	57	62	64	59	58	61	66	57	46	53	49	54	57	59	57	58	60	50	45	28	33	37	33	53.9
Spartanburg §§	Maximum	79	67	62	68	73	76	82	83	83	82	86	82	78	68	69	67	69	70	76	78	77	76	59	65	73	75	54	57	65	63	69	72.0
	Minimum	54	55	[illegible]	56	61	62	56	59	59	59	64	59	59	60	60	57	45	45	48	49	52	50	52	56	56	51	45	28	28	37	34	52.0
Trenton	Maximum	79	69	70	68	70	70	80	83	82	82	84	81	85	73	73	79	69	73	...	...	...	...	...	...	...	...	...	49	63	64	....	[j] 73.6
	Minimum	60	56	57	58	59	59	58	59	62	62	67	70	59	69	67	57	49	54	...	...	...	...	...	...	...	...	...	32	40	43	....	[j] 57.0
Winnsboro	Maximum	79	70	70	70	70	70	75	81	81	82	82	80	75	73	72	65	65	70	73	75	75	75	65	64	68	75	70	55	64	61	62	71.4
	Minimum	59	58	58	60	58	61	58	60	62	63	62	60	62	61	61	56	48	52	50	52	52	49	56	60	56	60	45	30	39	42	45	51.7
Winthrop College	Maximum	...	72	62	68	71	75	80	83	83	83	84	80	80	72	70	71	68	72	75	72	75	73	64	63	71	74	66	55	64	62	69	[a] 71.9
	Minimum	54	57	57	61	64	62	57	59	68	63	54	62	61	61	61	60	47	62	49	53	54	49	54	57	52	51	45	28	36	37	36	54.1

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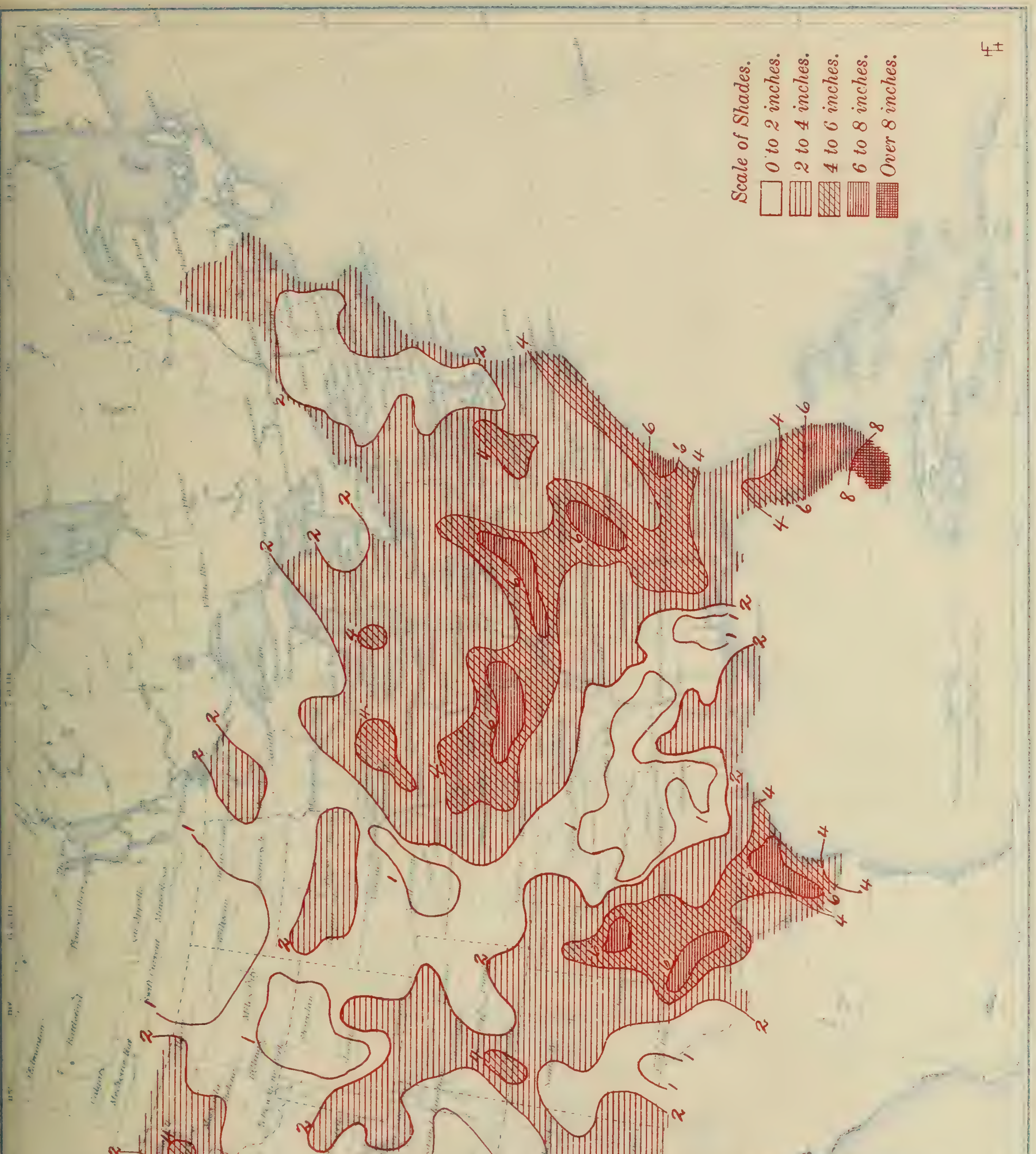
[a], [b], [c], etc., indicate respectively 1, 2, 3, etc., days missing from record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
No Rain
0
0.5
1
2
4
6
8
12

(CONTINUED FROM PAGE 75.)

RIVER CONDITIONS. Continued.

Heavy rains in the upper Pee Dee watershed about the same time were followed by a freshet at Cheraw on the 18th. The month closed with the rivers again uniformly low.

MISCELLANEOUS PHENOMENA.

Fog, dense (dates). Bowman, 12, 13, 14; Camden, 12; Catawba, 26; Charleston, 9, 24; Cheraw, 8, 10, 12, 13, 26; Columbia, 10, 13; Gaston Shoals, 9, 26; Georgetown, 5, 6, 7, 8, 9, 10, 11, 12, 14; Liberty, 7, 9, 26; Santuck, 11, 12; Summerville 7, 8, 9.

Frosts (number during the last 4 days of the month).—Western portion: Killing frosts or freezing temperatures, 22; heavy, 2; light, 1. Eastern portion: Killing frosts or freezing temperatures, 15; heavy, 2; light, 2.

Halos (dates).—*Lunar:* Charleston, 4; Columbia, 25.

Thunderstorms (dates).—Beaufort, 25; Blackville, 11; Bowman, 15; Charleston, 3, 12, 13; Columbia, 11, 13, 14; Monetta, 11; Summerville, 12; Trenton, 11.

OBITUARY.

Mr. C. A. Long, Cooperative Observer of the Weather Bureau, died at his plantation, about two miles northwest of Trenton, Edgefield County, on October 19, 1914. As a fine type of Southern gentleman and public spirited citizen, the late Mr. Long had made observations in cooperation with the U. S. Weather Bureau for many years, and there is now on file at this office an unbroken record of temperature and rainfall for the vicinity of Trenton covering the period, April 16, 1893, to October 18, 1914, inclusive. In the passing of such a character, one that labored for future generations as well as for the benefit of the present, the Climatological Service of the Weather Bureau in South Carolina makes this announcement with more than ordinary regret.

COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature.			Precipitation.		Average number of days—			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch, or more.	Clear.	Pt. Cldy.	Cloudy.	
1887	61.4	91	30	5.96	8				n.
1888	59.3	88	31	4.18	7	......	......	......	sw.
1889	60.8	88	27	1.65	3	......	......	......	n.
1890	63.0	90	22	4.06	......	......	......	......	......
1891	60.2	92	28	1.63	......	......	......	......	nw.
1892	63.8	89	27	0.60	......	......	......	......	ne.
1893	64.4	90	25	4.92	5	18	7	6	ne.
1894	64.2	98	33	4.95	5	20	6	5	ne.
1895	61.3	95	28	1.15	3	20	7	4	ne.
1896	61.3	91	28	1.41	4	15	8	8	ne.
1897	65.8	96	35	3.23	5	14	8	9	ne.
1898	62.9	90	28	3.82	9	14	8	9	ne.
1899	64.2	91	34	5.00	6	14	7	10	ne.
1900	67.6	95	33	3.65	9	13	7	11	ne.
1901	62.4	92	29	0.89	3	22	6	3	ne.
1902	63.2	95	30	4.40	7	19	5	7	ne.
1903	62.0	93	25	2.63	5	18	6	7	n.
1904	62.4	98	26	1.10	3	23	5	3	ne.
1905	64.2	93	29	1.97	6	15	6	10	ne.
1906	61.9	90	24	3.69	7	14	6	11	ne.
1907	61.2	91	28	0.73	3	19	7	5	ne.
1908	62.0	89	35	4.22	6	19	6	6	ne.
1909	61.2	96	27	2.43	5	23	5	3	ne.
1910	66.5	100	22	4.39	6	20	7	4	ne.
1911	67.5	99	37	5.89	8	12	9	10	ne.
1912	65.0	94	32	2.21	5	18	4	9	ne.
1913	62.5	95	28	3.56	6	19	6	6	ne.
1914	64.7	92	26	3.44	8	13	7	11	ne.
Averages	63.1	100	22	3.13	6	17	7	7	ne.

MISCELLANEOUS DATA FOR OCTOBER, 1914.

Stations.	Barometer—sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Sunshine—total hours.	Relative humidity—percent.	Wind.	
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.			Average hourly velocity—miles.	Prevailing direction.
Asheville, N. C.	30.11	57.8	81	23	5.83	3.89	167.5	82	6.8	se.
Augusta, Ga.	30.08	65.0	86	34	2.89	1.10	208.0	84	5.2	ne.
Charleston, S. C.	30.06	68.4	84	40	4.14	2.77	215.5	82	9.1	ne.
Charlotte, N. C.	30.10	62.2	81	30	3.11	1.81	176.9	80	6.1	ne.
Columbia, S. C.	30.08	64.4	86	34	2.70	0.80	181.0	76	6.2	ne.
Savannah, Ga.	30.05	68.8	88	40	7.28	3.69	161.6	84	9.7	ne.
Wilmington, N. C.	30.08	65.8	86	34	4.84	2.50	192.8	82	6.4	ne.
Averages	30.08	64.6	[a] 88	[a] 23	4.40	[b] 3.89	186.2	81	7.1	ne.

[a] Extremes.

[b] Greatest.

05 Stack
SC

[illegible]
10 JAN 1915

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

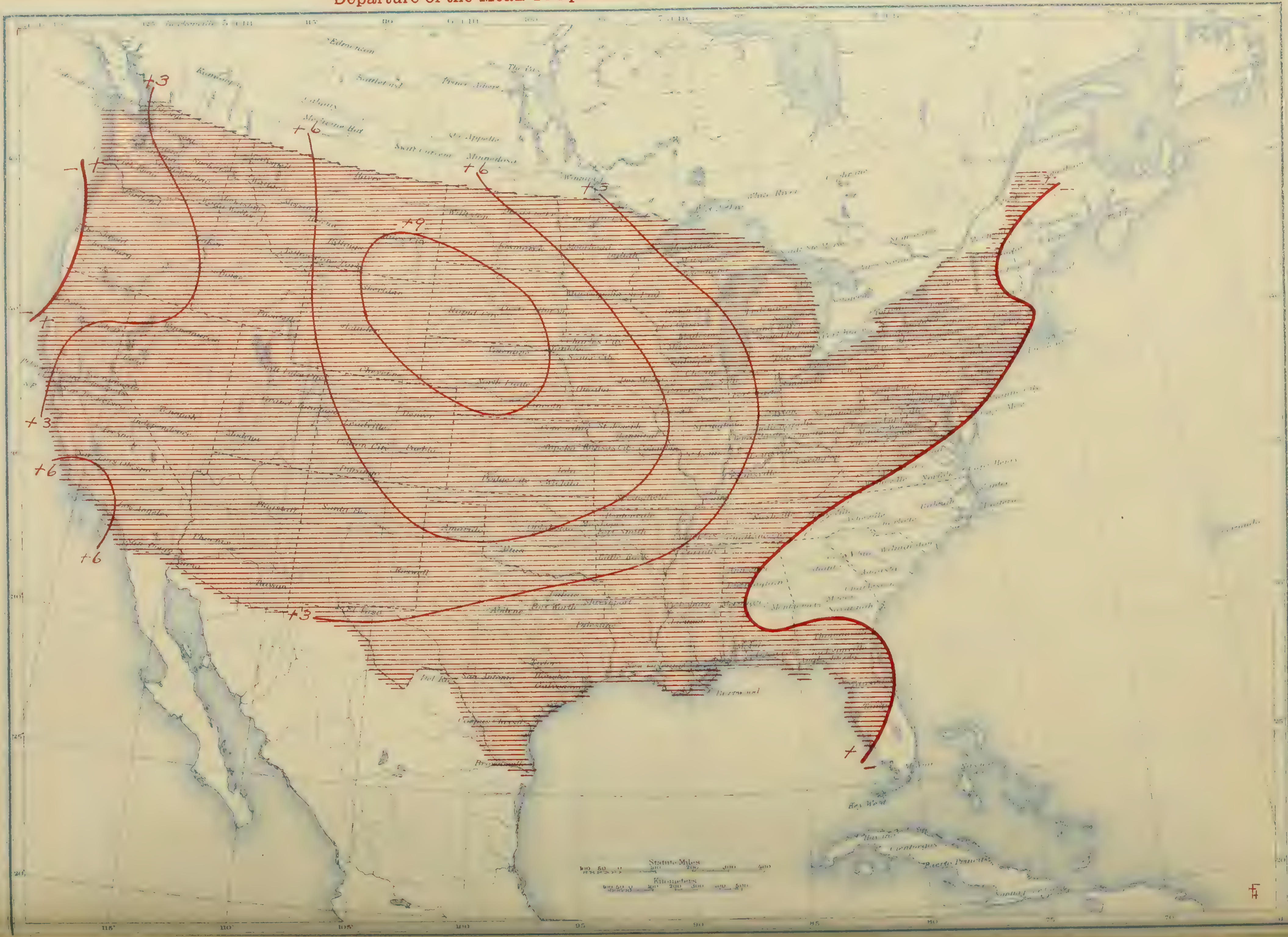
SOUTH CAROLINA SECTION

NOVEMBER, 1914

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
January 1, 1915.

Departure of the Mean Temperature from the Normal, November, 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.
RICHARD H. SULLIVAN, Section Director.

Vol. XVII. Columbia, S. C., November, 1914. No. 11.

GENERAL SUMMARY.

On the whole, November, 1914, was cooler than usual, with considerable sunshine and precipitation above normal. However, the month was one of quite rapid temperature changes after the 8th, the daily means averaging about 8° below normal on the 9th and 10th, about 10° above normal on the 14th and 15th, about 12° below normal from the 17th to the 25th and about 11° above from the 28th to the 30th; from the 17th to the 21st the daily means ranged about 16° below the seasonal average. A marked cold wave on the 16th and 17th was followed by another decided change to colder weather on the 20th and 21st, accompanied by the first snow of the season over the more elevated districts and over scattered localities of the eastern portion. During the latter period the temperatures fell to near the lowest of record at a number of stations, with freezing to the coast. There were three well defined periods of precipitation, and the northwestern counties were again favored with abundant rains, while the rainfall was deficient in a large area of the eastern portion. Fall plowing and planting progressed without much interruption, with indications pointing to increased grain acreage. Much oats and rye are being pastured.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.16 inches. The highest pressure in the region covered by reports was 30.71 inches at Asheville and Charlotte, N. C., on the 24th, and in the Section proper, 30.69 inches at Columbia on the same date; lowest, 29.66 inches at Asheville and Charlotte, N. C., on the 15th, and in the Section proper, 29.68 inches at Charleston and Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 39 stations, was 52.4°, or 1.4° below the established normal. The highest temperature was 86° at Blackville, Barnwell County, and St. George, Dorchester County, on the 5th. The warmest period of the month was from the 2d to the 8th, but much the greater number of the highest temperatures occurred on the 5th. The lowest temperature was 17° at Greenville, Greenville County, and Liberty, Pickens County, on the 21st. The coldest period of the month was on the 20th and 21st, when temperatures at a number of stations fell to near the November record minimum.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 76 percent; 8 p. m., 61 percent. The highest average percentages occurred over the upper Savannah drainage area, and the lowest, over the north-central counties.

PRECIPITATION.

The average for the Section, 50 stations reporting, was 3.33 inches, or 0.99 inch above the established normal. There were three distinct rainy periods, namely: 9th, 14th to 16th and 29th and 30th, with numerous light local showers over the eastern portion on the 19th. Precipitation was unequally distributed, the greatest monthly amounts of 4 to over 5 inches being confined to the Savannah watershed and the northwestern counties. In a broad belt extending from the middle coast northward over the north-central counties the amounts were less than 3 inches and ranged downward to less than 2 inches in portions of Berkeley, Darlington and Kershaw counties. The greatest local monthly amount was 5.89 inches at Meriwether, Edgefield County; least amount, 1.63 inches at Darlington, Darlington County. The greatest amount during any 24 hours was 2.10 inches, also at Meriwether, on the 29th. The average number of days with appreciable amounts of precipitation was somewhat above normal.

Snowfall occurred in measurable quantities on the 20th in York, Lancaster and Chester counties, while traces of snow were recorded at 15 stations in the northern and eastern portions between the 19th and 21st.

WIND.

The prevailing winds were from the west. The average hourly velocity, determined from 7 anemometer records, was 8.0 miles. The highest average velocity in the region covered by reports was 12.5 miles per hour at Savannah, Ga., and the lowest average, 5.5 miles per hour at Augusta, Ga. In the Section proper the averages were 6.3 miles per hour at Columbia and 10.7 miles per hour at Charleston. The highest velocity for any 5-minute period was 48 miles per hour from the northwest at Savannah, Ga.

SUNSHINE AND CLOUDINESS.

The average of the total hours of sunshine, determined from 7 automatic records, was 217.2, or 70 percent of the possible amount. The average number of clear days was 19; partly cloudy, 4, and cloudy, 7, as against normals of 16, 7 and 7 days, respectively.

RIVER CONDITIONS.

The rivers of the Section continued low throughout the month, except a moderate freshet of 19.7 feet in the Wateree River at Camden on the 16th, followed by stages of 11.3 to 12.0 feet in the Santee at Rimini from the 18th to the 20th and 11.3 to 11.8 feet at Ferguson from the 19th to 22d.

MISCELLANEOUS PHENOMENA.

Fogs, dense (dates).—Bowman, 7, 8; Catawba, 15; Edisto, 15; Gaston Shoals, 2, 11.

Frosts (dates; number of killing frosts or freezing temperatures for all stations not previously reported).—Western portion: 1 on 17th. Eastern portion: 2 on 11th, 2 on 20th, 1 on 21st.

Halos (dates).—*Lunar:* Charleston, 1; Columbia, 1, 3; Liberty, 4, 24, 25; Santuck, 2. *Solar:* Columbia, 19.

Thunderstorms (dates).—Bowman, 28; Cheraw, 15; Darlington, 16; Liberty, 8; Newberry, 15; Rimini, 15; Santuck, 8, 15.

(CONTINUED ON PAGE 88)

Climatological Data for November, 1914.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr. Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation, in inches. Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Number of days. With precipit on. (0.01 in. or more)	Clear	Part cloudy	Cloudy	Prevailing direction of wind	Observers
Eastern Portion.																				
Allendale	Barnwell	186	25	54.0	1.2	83	5	21	20	40	2.47	+0.76	0.82	0	6	19	1	10	w.	H. G. Harris.
Beaufort	Beaufort	21	27	[d]56.2	2.5	[d] 83	6	[d] 25	20	[d]37	3.56	+1.40	1.50	0	4	...	...	...	...	Miss Lillian H. Rice.
Blackville	Barnwell	296	25	55.0	−0.5	86	5	20	21	50	3.36	+1.34	0.86	0	6	19	0	11	...	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	11	53.8	−0.3	85	6	18	21	47	3.83	+2.01	1.75	T.	5	22	4	4	w.	B. O. Evans.
Charleston	Charleston	48	43	57.0	−1.1	79	5	27	21	26	2.34	−0.53	1.72	0	6	19	5	6	n.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	24	51.6	−0.5	78	† 3	18	21	38	3.15	−1.00	1.30	T.	5	...	...	...	...	J. H. Powe.
Conway	Horry	25	28	[a]52.6	−1.6	[a] 81	3	[a] 23	† 21	[a]40	3.30	+1.06	1.50	T.	5	...	...	...	...	Paul Quattlebaum.
Darlington	Darlington	175	18	50.7	−1.5	[b] 84	5	[a] 20	† 21	[b]48	1.63	−0.70	0.47	T.	5	21	1	8	...	D. C. McCall.
Dillon	Dillon	100	10	51.8	−1.1	82	3	20	21	49	2.76	+0.84	0.93	0	5	...	...	...	...	A. E. Rowell.
Edisto ‡‡	Bamberg	143	26	...	...	...	...	...	...	...	2.75	+0.62	0.85	0	6	...	...	...	...	Nathan Jenkins.
Effingham	Florence	106	21	...	...	...	...	...			2.04	−0.21	0.70	T	5	...	...	...	...	H. B. McCall.
Ferguson	Orangeburg	63	28	53.0	2.2	83	5	23	21	46	2.37	−0.22	1.61	0	7	...	...	...	...	Joseph P. Simons.
Florence	Florence	136	25	52.7	−1.5	81	8	22	21	44	2.30	+0.06	1.20	0	4	...	...	...	...	H. K. Gilbert.
Georgetown	Georgetown	12	19	54.6	−1.5	84	4	26	20	46	2.33	+0.01	1.85	0	3	16	7	7	n.	A. P. Hazard.
Kingstree	Williamsburg	54	25	52.6	2.2	82	3	23	21	38	3.10	+0.87	1.35	0	5	19	2	9	ne.	A. O. Matthews.
Pinopolis **	Berkeley	54	20	53.9	0.8	78	8	30	† 20	...	2.09	−0.37	1.27	T.	2	17	0	13	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	4	...	...	...	...	...	...	...	2.79	...	1.71	0	7	19	4	7	...	William B. Wolfe.
St. George	Dorchester	109	25	[a]53.4	−1.9	[a] 86	5	21	21	[a]48	2.53	+0.60	1.60	0	5	23	3	4	nw.	Geo. N. Snelling, M. D.
St. Matthews	Calhoun	269	25	52.8	−1.7	85	5	21	21	40	3.11	+1.01	1.70	0	6	8	12	10	s.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	18	...	...	...	...	...	...		3.10	+0.89	1.53	0	5		...	...	...	W. G. Walker.
Society Hill	Darlington	192	22	51.6	0.7	83	† 2	18	20	53	3.70	1.49	0.85	T.	7	15	12	3	nw.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	16	54.6	0.9	79	5	23	21	38	1.90	−0.48	1.28	T.	6	10	17	3	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	11	[a]55.4	−1.9	[a] 85	5	[a] 22	21	[a]49	3.27	+1.55	1.05	0	7	20	1	6	...	J. A. Westerberg.
Yemassee	Hampton	24	18	53.6	−1.6	82	5	21	21	44	3.27	+1.27	0.92	0	6	21	3	6	...	J. G. Hutson.
Division means and extremes			...	53.5	−1.4	86	5	18	† 20	53	2.79	−0.64	1.85	T.	5	18	5	7	nw.	
Western Portion.																				
Aiken	Aiken	527	19	54.2	−0.4	81	5	18	20	41	3.65	−0.89	1.00	0	5	...	...	...	...	W. M. Brown.
Anderson	Anderson	764	12	52.6	+0.6	84	5	20	20	43	4.39	+1.71	1.57	0	6	20	1	9	w.	H. H. Russell.
Batesburg	Lexington	656	25	51.2	−2.2	80	† 3	19	20	40	2.93	+0.43	1.02	0	7	21	3	6	se.	E. J. Hite.
Blairs	Fairfield	293	10	...	...	...	...	...	...	...	2.90	+0.40	0.96	0	6	...	...	...	...	J. N. Owens.
Calhoun Falls	Abbeville	508	21	...	...	...	...	...	...	...	5.04	+2.50	1.60	0	7	...	...	...	...	L. M. Parker.
Camden	Kershaw	222	47	52.7		82	5	24	† 21	45	1.86	−0.29	1.11	T.	7	14	4	12	ne.	W. C. Brown.
Catawba	York	562	8	...	...	...		...	...	...	3.43	...	1.98	0.1	6	...	...	...	...	James C. Faris.
Chappells	Newberry	402	10	...		...	...	...	...	...	4.14	+1.74	1.10	0	9	...	...	...	...	J. J. Murran.
Clemson College	Oconee	850	22	49.4	−1.1	75	5	20	† 21	43	4.17	+1.47	1.65	0	7	19	2	9	s.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	27	53.3	−0.5	81	5	22	21	36	3.48	+1.25	1.23	0	6	20	2	8	ne.	U. S. Weather Bureau.
Edgefield	Edgefield	...	...	...	...	...	...	...	...	...	3.02	...	1.21	0	4	...	...	...	...	T. L. Timmerman.
Gaston Shoals ‡‡	Cherokee	680	1	...	...	...	...	...	...	...	4.18	...	1.59	T.	6	...	...	...	...	Harry A. Parshall.
Greenville	Greenville	989	21	48.8	−0.7	81	5	17	21	46	3.95	+0.80	1.50	T.	6	19	3	8	e.	Spartan Goodlette.
Greenwood	Greenwood	671	25	50.0	−1.7	79	5	20	20	39	4.55	+1.87	1.50	0	6	20	0	10	w.	M. M. Calhoun.
Heath Springs	Lancaster	568	12	[c]50.2	−0.7	78	† 2	[c] 19	25	[c]41	3.07	+0.73	1.63	1.0	6	18	6	6	w.	J. Marvin Bowers.
Liberty	Pickens	900	19	49.0	−1.6	78	† 2	17	21	42	4.35	+1.68	1.65	T.	6	22	1	7	sw.	John T. Boggs.
Little Mountain	Newberry	711	20	53.4	−0.7	80	5	22	21	38	3.52	+1.06	1.07	0	5	20	5	5	n.	J. M. Sease, M. D.
Meriwether	Edgefield	...	10	52.6	−0.2	82	5	19	20	39	5.89	+3.54	2.10	0	5	...	...	...	...	William S. Middleton.
Monetta	Saluda	400	7	53.6	...	81	5	21	† 20	44	3.34	...	1.30	0	6	18	8	4	ne.	Joseph M. Johnson.
Newberry	Newberry	502	26	51.1	−1.7	82	5	20	21	46	5.02	+2.07	1.35	0	6	17	5	8	w.	Warren G. Petterson.
Pelzer	Anderson	850	10	...	...	...	...	...	...	...	4.48	+2.12	1.62	0	6	...	...	...	...	Joshua Y. Jones.
Saluda	Saluda	536	11	50.5	−2.7	82	5	20	† 21	51	3.98	+1.22	1.32	0	6	22	2	6	w.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	19	50.0	1.2	79	† 4	18	21	46	4.35	+1.62	1.18	T.	6	19	5	6	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	22	48.6	2.4	81	4	19	† 20	44	4.44	+1.71	1.82	T.	9	...	...	...	...	F. P. Robinson.
Trenton	Edgefield	620	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Winnsboro	Fairfield	545	24	51.5	1.7	78	† 3	22	20	37	2.40	+0.31	1.00	0	4	23	3	4	ne.	J. W. Seigler.
Winthrop College ‡‡	York	690	13	50.7	1.1	79	† 3	19	21	50	3.10	−0.79	1.10	T.	4	14	10	6	sw.	W. P. Goodman
Division means and extremes				51.2	1.2	84	5	17	21	51	3.83	+1.35	2.10	T.	6	19	4	7	w.	
State means and extremes				52.4	−1.4	86	5	17	21	53	3.33	−0.99	2.10	T.	6	19	4	7	w.	

The departures from the normal temperature and precipitation are computed for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily Precipitation for November, 1914.

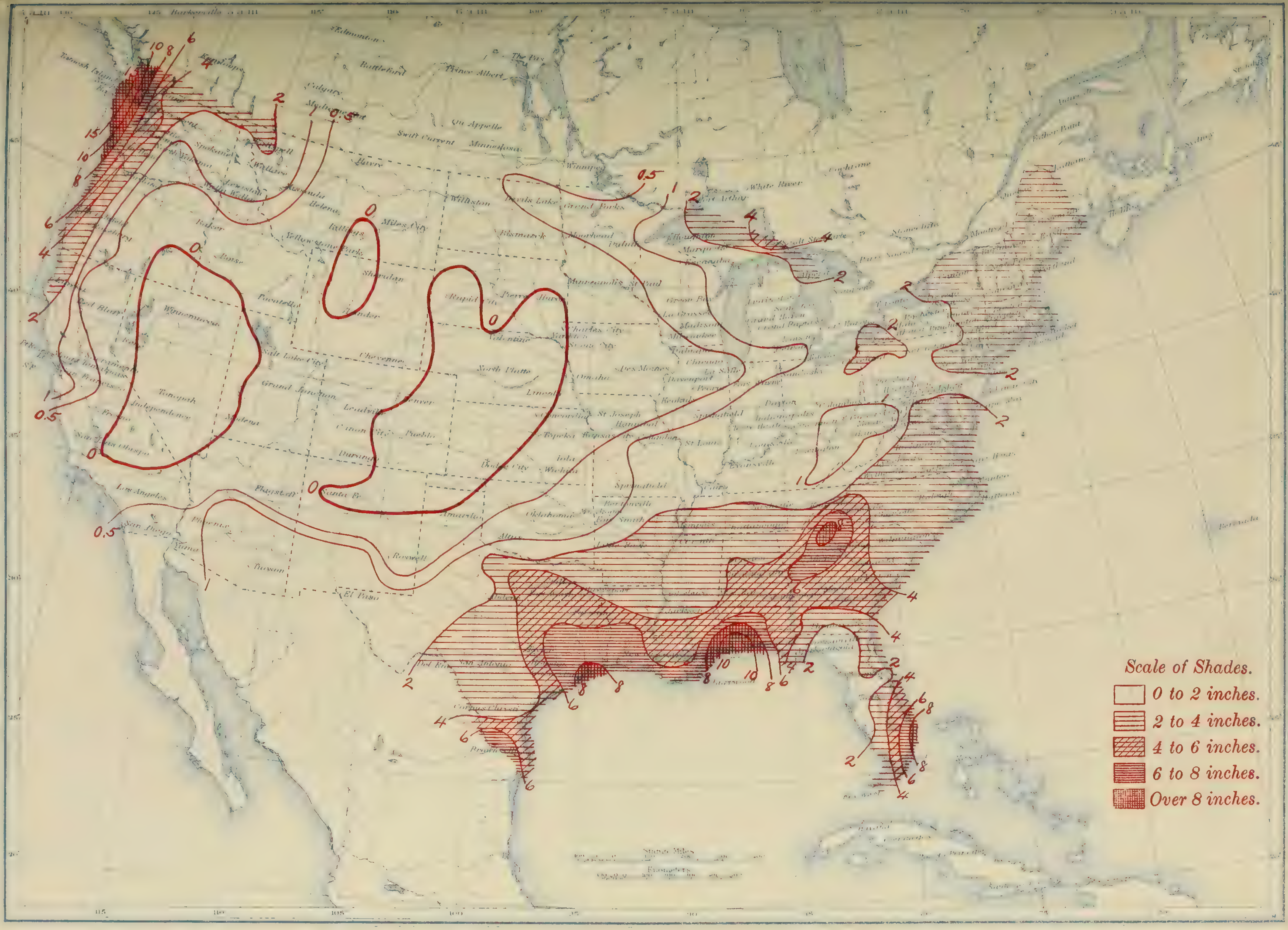
Stations.	Watershed.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ‖‖	Savannah									.07				.03	.55	.82														.55	.45		2.47
Beaufort	Coast													1.00	.50															1.50	.56		3.56
Blackville ‖‖	Edisto									.45	T.				.32	.86	.53													.59	.61		3.36
Bowman	do									.15					1.75					T.	T.								1.03	.62	.28		3.83
Charleston ***	Coast				T.					.05				.37	1.68	.03				.04										.17	T.		2.34
Cheraw ‖‖	Pedee									1.30					.26	1.14	.26					T.									.19		3.15
Conway ‖‖	Waccamaw									.10	T.				1.10	1.50	.10			.18	T.	T.									.32		3.30
Darlington ‖‖	Pedee									.47	T.				.47	.30	.42				T.	T									.02		1.63
Dillon	Little Pedee									.93					.86	.61				.09										.27	T.		2.76
Edisto ‖‖	Edisto								.18						.44	.85	.37													.36	.55		2.75
Effingham ‖‖	Lynches									.50					.70	.65				.10	T.	T.									.09		2.04
Ferguson ‖‖	Santee									.35					.30	1.61	.03			.05											.03		2.37
Florence ‖‖	Pedee								.62						1.20	.45				.03													2.30
Georgetown	Coast									T.					1.85	.25															.23		2.33
Kingstree ‖‖	Black									.33					1.10	1.35	.32				T.												3.10
Pinopolis	Cooper														1.27	.82																	2.09
Rimini	Santee									.27	.05				.18	1.71	.19			.02										.26	.11		2.79
St. George ‖‖	Edisto														.15	1.60	.10			.05											.63		2.53
St. Matthews ‖‖	Santee									.50					.23	1.70														.31	.37		3.11
Smiths Mills ‖‖	Pedee									.11	T.				1.52	1.32				.08	T.									T.	.06		3.10
Society Hill ‖‖	do								.65	.85				.85	.62	.35														.20	.18		3.70
Summerville	Ashley									.08					1.28	.12				.05	T.									.27	.10		1.90
Walterboro	Ashepoo									.04				.04	1.05	.45				.07										.94	.68		3.27
Yemassee ‖‖	Combahee									T.	T.				.59	.91	.22			.10										.92	.53		3.27
Western Portion.																																	
Aiken	Edisto									.35					.65	.80														1.00	.85		3.65
Anderson	Savannah								.08	.79					.77	.57													.06	1.57	.55		4.39
Batesburg ‖‖	Edisto									.23	.12				.21	1.02	.53													.29	.53		2.93
Blairs ‖‖	Broad									.61					.20	.78	.35														.96		2.90
Calhoun Falls ‖‖	Savannah									.47					.42	.86	1.21													1.60	.48		5.04
Camden ‖‖	Wateree									.34					.27	1.11	.09													.04	.10		1.95
Catawba ‖‖	Catawba									.70					.13	1.98	.19				.01	T.								.12	.30		3.43
Chappells ‖‖	Saluda									.63					.48	.74	.45													.74	1.10		4.14
Clemson College	Savannah								.17	.35						1.65															2.00		4.17
Columbia ***	Congaree								.05	.22				T.	1.21	.18														.66	1.16		3.48
Edgefield ‖‖	Savannah									.05						.96														1.21	.80		3.02
Gaston Shoals ‖‖	Broad									.70	T.				.10	1.38	.06				T.									.35	1.59		4.18
Greenville ‖‖	Saluda									.51						1.25	.19				T.									.50	1.50		3.95
Greenwood ‖‖	do									.46					.27	1.25	.40													.67	1.50		4.55
Heath Springs	Wateree									.44					1.63	.20														.10	.60		3.07
Liberty	Savannah									.80				.70	.90														.10	1.65	.20		4.35
Little Mountain	Saluda									.28					.90	.70														1.07	.57		3.52
Meriwether	Savannah								T.	.48					.75	1.33													T.	2.10	1.23		5.89
Monetta	Edisto									.38					.90	.33	.01													1.30	.42		3.34
Newberry	Saluda								.12	.62					.96	1.35														1.27	.70		5.02
Pelzer ‖‖	do									.64					.14	1.62	.32													.60	1.16		4.48
Saluda	do								.45						1.03	.50	.04													1.32	.64		3.98
Santuck	Broad								.03	.37					1.07	.58					T.									1.12	1.18		4.35
Spartanburg ‖‖	do									.60					.12	1.05	.07				T.	T.								.78	1.82		4.44
Trenton	Edisto																																
Winnsboro	Broad														.45	.20														.75	1.00		2.40
Winthrop College	Catawba									.40					.95	1.10					T.										.65		3.10

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

Daily Temperatures for November, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	75	78	80	80	83	77	72	80	62	55	67	70	76	68	74	72	50	50	53	36	50	65	60	57	63	72	73	66	65	69	....	66.6
	Minimum	39	48	45	52	51	45	41	49	50	34	31	37	44	55	62	61	34	31	36	21	22	29	34	31	28	32	37	48	54	57	....	41.3
Beaufort	Maximum	....	77	80	78	79	73	77	77	60	57	65	69	75	74	73	75	66	55	....	53	48	....	68	63	....	75	74	74	67	68	....	[d] 66.3
	Minimum	....	43	56	47	60	51	50	50	45	38	38	46	55	63	65	62	40	35	....	25	28	....	38	36	....	38	63	62	52	62	....	[d] 46.0
Blackville §§	Maximum	75	80	85	80	86	81	82	85	56	57	68	73	79	70	78	74	52	53	52	41	55	67	63	59	75	75	76	66	65	71	....	69.3
	Minimum	38	46	45	50	49	42	42	48	50	32	32	39	45	55	64	59	31	29	38	21	20	28	32	30	25	32	36	54	52	56	....	40.7
Bowman	Maximum	72	74	76	80	84	85	83	80	70	72	70	72	78	65	78	72	60	50	53	40	50	60	64	64	65	68	72	70	72	73	....	69.1
	Minimum	35	36	40	48	50	55	40	45	43	30	27	33	40	55	62	60	30	27	38	22	18	30	31	23	21	28	32	48	52	55	....	38.5
Charleston	Maximum	74	76	78	79	79	72	73	76	69	55	64	66	71	67	75	75	52	53	51	44	48	62	58	53	57	68	67	63	65	68	....	65.3
	Minimum	53	57	54	60	58	56	55	60	47	38	42	49	59	65	65	52	41	39	43	28	27	36	42	38	37	42	46	58	58	60	....	48.8
Cheraw §§	Maximum	74	78	78	78	78	72	76	76	50	52	66	68	66	64	70	64	46	47	50	34	48	60	52	52	64	68	68	58	60	71	....	62.9
	Minimum	38	40	46	50	48	42	44	52	44	32	34	40	42	56	62	58	32	26	33	26	18	23	32	26	26	36	44	50	50	57	....	40.2
Conway §§	Maximum	75	78	81	77	80	72	76	76	48	56	66	71	76	70	77	75	51	56	48	34	40	61	56	54	63	70	71	....	69	74	....	[a] 65.6
	Minimum	38	46	43	48	46	41	40	47	48	32	30	32	39	57	62	61	34	29	33	32	23	25	32	27	23	31	51	42	....	59	....	[a] 39.7
Darlington §§	Maximum	74	80	81	75	81	....	78	78	51	58	....	72	74	66	75	74	52	54	55	34	48	61	59	54	64	71	70	63	64	74	....	[b] 65.8
	Minimum	33	43	40	41	44	37	....	36	44	30	28	35	35	50	59	60	29	24	32	28	20	24	27	25	20	23	22	38	51	54	....	[a] 35.6
Dillon	Maximum	74	79	82	76	80	74	77	79	49	50	66	69	75	68	79	73	51	50	53	38	48	61	54	55	63	71	70	60	62	75	....	65.3
	Minimum	35	43	42	48	46	38	38	48	41	32	29	35	37	56	60	49	31	26	35	28	20	25	30	28	22	31	34	45	53	61	....	38.2
Ferguson §§	Maximum	74	77	80	75	83	74	77	80	61	55	67	72	78	78	79	75	50	52	53	38	48	64	58	56	62	42	74	65	65	78	....	67.3
	Minimum	35	46	43	44	47	43	39	40	47	34	30	30	37	61	62	62	35	32	34	27	23	25	28	30	24	26	31	37	55	57	....	38.8
Florence §§	Maximum	77	80	79	80	76	76	80	81	48	52	65	70	74	75	77	74	60	54	52	40	49	64	56	58	64	68	70	62	64	78	....	66.8
	Minimum	38	46	44	46	48	41	40	50	45	31	30	31	41	50	61	60	30	27	27	30	22	25	25	25	23	34	34	43	53	59	....	38.6
Georgetown	Maximum	76	80	80	84	76	75	76	78	75	60	69	76	79	76	78	78	60	55	51	37	51	52	65	61	62	72	75	70	70	78	....	69.2
	Minimum	36	54	46	48	44	44	45	45	45	33	31	37	40	62	62	55	45	36	32	20	28	28	38	31	26	32	35	32	32	58	....	40.0
Kingstree §§	Maximum	75	79	82	78	80	74	79	80	56	56	60	71	80	76	81	60	60	53	53	37	55	63	58	54	62	63	70	64	70	77	....	66.9
	Minimum	36	45	42	46	45	42	40	43	55	33	29	35	40	52	50	60	34	30	30	28	23	25	30	29	23	27	33	43	44	55	....	38.2
St. George §§	Maximum	78	81	83	82	86	78	81	82	80	58	71	73	79	67	78	75	53	54	52	50	60	66	60	58	70	73	76	64	64	....	....	[a] 70.1
	Minimum	36	44	41	46	43	41	38	41	33	32	27	32	31	53	62	58	32	28	32	28	21	22	24	28	23	28	30	38	52	57	....	36.7
St. Matthews §§	Maximum	77	82	83	79	85	76	78	80	50	57	69	69	75	67	76	75	52	53	55	39	54	65	57	52	65	72	73	60	63	72	....	67.0
	Minimum	30	45	44	57	48	42	39	48	46	32	31	37	41	50	61	58	30	27	26	23	21	25	30	26	22	34	36	48	50	55	....	38.7
Society Hill §§	Maximum	80	83	78	83	75	80	80	64	54	67	69	71	66	68	73	70	68	66	57	48	62	57	52	60	72	72	64	63	72	66	....	67.9
	Minimum	43	40	46	44	39	35	49	44	29	29	33	34	48	59	44	28	26	24	27	18	22	28	25	19	19	19	34	44	50	60	....	35.3
Summerville	Maximum	72	74	76	75	79	71	74	76	64	57	65	69	75	67	75	75	60	53	52	44	49	64	59	55	61	69	71	65	69	76	....	66.4
	Minimum	42	52	46	54	52	46	44	52	46	33	31	39	49	61	65	59	35	32	41	25	23	28	35	29	27	33	33	54	56	61	....	42.8
Walterboro	Maximum	77	....	83	78	85	78	81	81	71	60	70	74	78	75	77	76	60	55	56	50	51	67	62	59	65	75	77	68	66	74	....	[a] 70.0
	Minimum	38	....	42	50	49	41	39	48	48	33	28	35	47	62	60	60	33	30	40	24	22	28	32	29	26	29	34	56	56	62	....	[a] 40.7
Yemassee §§	Maximum	76	79	81	78	82	77	78	80	56	59	68	73	75	86	77	75	54	55	55	37	48	66	62	61	66	73	75	67	66	69	....	68.5
	Minimum	33	47	41	43	50	43	38	40	50	31	27	33	32	52	62	60	34	28	31	22	21	28	30	31	24	29	35	58	55	56	....	38.8
Western Portion.																																	
Aiken	Maximum	72	76	79	76	81	80	77	79	64	52	65	69	69	66	74	69	53	48	52	44	49	56	64	....	....	....	71	61	64	67	....	[c] 65.8
	Minimum	43	45	48	52	49	48	47	55	47	33	35	43	48	56	61	53	28	28	31	18	22	28	31	....	....	....	40	54	55	49	....	[c] 42.5
Anderson	Maximum	72	81	81	81	84	78	80	69	61	51	69	65	61	66	63	64	52	47	51	47	48	61	61	54	68	71	60	59	53	64	....	64.1
	Minimum	40	39	49	52	52	52	46	54	48	34	39	47	48	52	55	50	27	28	31	20	23	33	32	31	28	36	46	47	44	51	....	41.1
Batesburg §§	Maximum	71	77	80	75	80	76	75	76	56	54	66	68	68	67	72	67	50	48	51	40	43	48	55	54	60	70	65	58	63	68	....	63.4
	Minimum	44	50	52	50	51	40	46	52	54	32	36	42	45	47	45	59	28	27	26	19	20	25	30	29	25	30	40	41	43	51	....	39.0
Camden §§	Maximum	74	74	81	71	82	75	79	79	52	55	68	68	72	70	75	70	50	49	57	52	49	69	66	56	62	70	65	59	62	69	....	66.0
	Minimum	52	53	42	43	43	39	39	41	52	47	30	30	36	44	62	59	29	27	29	32	24	25	33	48	24	25	34	35	53	53	....	39.4
Clemson College	Maximum	70	72	72	73	75	74	71	67	60	54	64	64	62	62	61	61	56	45	51	51	46	55	55	53	55	63	62	56	53	63	....	60.9
	Minimum	36	36	44	47	44	50	41	49	54	34	34	36	42	52	57	54	30	25	32	22	20	26	26	25	20	25	32	45	46	50	....	37.8
Columbia	Maximum	73	77	81	74	81	75	77	77	60	54	68	68	69	64	75	67	49	48	52	41	48	64	55	53	62	70	65	59	63	70	....	64.6
	Minimum	45	48	49	54	50	46	47	57	39	34	35	43	45	57	61	43	32	29	33	24	22	30	34	32	26	38	43	53	49	62	....	42.0
Greenville §§	Maximum	71	77	78	80	81	70	76	65	59	54	69	70	65	59	60	65	52	49	54	38	48	58	60	52	70	70	61	54	56	62	....	62.8
	Minimum	34	36	40	44	43	44	39	40	49	30	30	33	38	41	52	50	27	24	25	21	17	18	28	28	24	27	35	38	43	44	....	34.7
Greenwood §§	Maximum	70	77	78	77	79	74	75	69	51	53	67	66	67	62	62	61	47	47	53	35	46	60	57	51	65	68	63	55	58	64	....	61.9
	Minimum	37	44	41	47	53	46	47	59	50	32	31	37	37	42	53	57	28	25	26	20	22	24	30	25	26	31	36	44	45	46	....	38.1
Heath Springs	Maximum	70	78	78	74	78	73	73	75	74	59	62	63	62	61	70	66	63	58	56	41	42	39	43	47	50	60	52	53	60	65	....	61.5
	Minimum	46	47	50	49	54	47	42	42	43	30	35	37	38	41	59	58	50	35	25	23	25	20	27	32	19	....	....	....	....	....	....	[e] 39.0
Liberty	Maximum	71	78	77	78	77	74	76	68	60	54	66	64	63	60	60	49	45	52	44	46	47	59	57	50	66	68	60	55	50	63	....	61.2
	Minimum	37	38	42	46	45	38	40	48	45	31	34	34	40	58	47	26	26	36	34	21	17	25	23	27	26	32	38	45	43	49	....	36.7
Little Mountain	Maximum	70	76	79	75	80	73	76	76	68	54	66	67	68	63	70	65	51	49	52	45	47	60	51	51	62	69	64	59	58	66	....	63.7
	Minimum	60	49	52	55	54	48	56	65	45	32	38	40	44	54	60	50	29	28	30	24	22	31	30	28	31	40	48	48	47	55	....	43.1
Meriwether	Maximum	74	80	80	81	82	78	79	80	70	57	69	70	69	67	74	68	61	49	56	46	50	65	61	57	66	72	61	62	59	66	....	67.0
	Minimum	35	41	44	49	48	40	40	49	40	32	31	36	43	55	58	50	29	26	29	19	26	27	27	27	25	30	36	53	50	52	....	38.2
Monetta	Maximum	71	78	79	78	81	76	78	72	65	54	66	68	69	64	73	66	57	48	53	49	49	63	59	53	67	71	64	58	58	67	....	65.1
	Minimum	44	45	49	50	53	50	49	54	47	32	35	43	46	56	61	57	29	29	30	21	21	33	31	31	27	41	44	53	49	57	....	42.2
Newberry	Maximum	75	78	78	74	82	77	77	77	64	52	66	66	65	63	68	65	52	48	52	42	47	61	56	51	63	69	63	58	60	68	....	63.9
	Minimum	40	36	46	54	43	40	40	49	40	32	31	35	41	53	61	51	39	27	30	24	20	25	27	27	23	30	34	48	48	55	....	38.3
Saluda	Maximum	72	80	81	79	82	77	78	76	62	56	68	68	68	65	73	68	54	50	55	45	49	64	58	54	65	71	65	59	57	69	....	65.6
	Minimum	32	39	40	45	41	35	36	46	46	29	29	31	37	53	61	53	26	22	26	21	20	25	23	21	20	27	31	45	48	55	....	35.4
Santuck	Maximum	70	77	78	79	79	74	77	75	61	51	66	66	63	62	63	62	50	46	50	43	46	60	55	49	63	68	64	57	54	68	....	62.5
	Minimum	35	40	43	46	49	46	39	49	44	31	34	36	39	51	57	49	29	23	29	22	18	24	27	26	22	33	37	46	45	54	....	37.4
Spartanburg §§	Maximum	71	78	79	81	78	76	78	68	54	53	68	67	61	60	60	57	48	46	53	32	46	59	58	51	68	69	60	63	56	64	....	62.1
	Minimum	34	36	39	43	43	41	41	45	47	31	33	37	40	42	52	53	27	23	26	19	19	23	27	25	24	26	36	37	43	44	....	35.2
Trenton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Winnsboro	Maximum	70	76	78	75	78	70	76	75	63	51	52	65	66	72	72	65	60	43	50	35	35	38	53	50	60	67	63	65	68	70	....	62.0
	Minimum	45	46	50	53	56	46	45	55	38	30	36	40	46	53	56	50	28	24	31	22	20	28	32	28	38	40	40	42	55	56	....	41.0
Winthrop College	Maximum	72	77	79	79	77	73	76	74	62	51	65	65	63	62	64	63	53	45	49	42	45	69	55	48	65	67	65	58	55	57	....	62.5
	Minimum	41	42	46	43	55	48	48	51	44	32	36	37	36	51	54	42	28	25	29	22	19	29	28	26	27	....	43	48	45	54	....	[a] 38.9

a, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.

COMPARATIVE DATA FOR NOVEMBER.

Year	Temperature.			Precipitation.		Average number of days			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Pt. Cldy.	Cloudy.	
1887	52.3	78	18	0.82	4	....	....	....	nw.
1888	52.7	82	22	2.77	8	....	....	....	....
1889	54.8	84	18	3.84	6	....	....	....	w.
1890	58.4	....	....	0.64	....	....	....	....	....
1891	51.9	82	15	2.48	....	....	....	....	ne.
1892	53.9	86	14	1.96	....	....	....	....	sw.
1893	52.9	87	15	2.11	5	14	8	8	ne.
1894	52.3	83	17	2.02	4	18	7	5	nw.
1895	54.4	88	21	2.35	6	12	8	10	ne.
1896	59.1	90	26	4.00	7	12	8	10	ne.
1897	55.3	88	23	1.99	5	16	7	7	sw.
1898	51.0	82	14	4.72	10	14	6	10	ne.
1899	55.0	86	22	2.41	5	16	6	8	ne.
1900	55.6	92	22	3.32	6	13	8	9	sw.
1901	48.2	85	17	1.01	5	21	4	5	n.
1902	59.2	89	22	3.80	6	13	7	10	ne.
1903	50.9	86	10	1.40	5	14	8	8	n.
1904	51.6	80	22	2.78	6	17	6	7	w.
1905	54.5	90	21	1.31	3	17	6	7	sw.
1906	53.8	89	20	0.96	3	18	8	4	ne.
1907	52.2	87	24	4.13	10	12	7	11	ne.
1908	56.6	88	24	1.60	3	16	10	4	sw.
1909	58.3	88	20	0.97	3	18	9	3	sw.
1910	51.1	85	24	1.04	4	20	6	4	w.
1911	51.2	83	19	3.30	8	13	10	7	ne.
1912	52.1	84	17	2.71	4	22	4	4	w.
1913	53.5	89	18	1.79	2	21	5	4	w.
1914	52.4	86	17	3.33	6	19	4	7	w.
Period	53.8	92	10	2.34	5	16	7	7	ne.

MISCELLANEOUS DATA FOR NOVEMBER, 1914.

Stations.	Barometer—sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Sunshine—total hours.	Relative humidity—percent.	Wind.	
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.			Average hourly velocity—miles.	Prevailing direction.
Asheville, N. C.	30.20	44.1	72	9	4.06	1.87	197.1	70	7.4	nw.
Augusta, Ga.	30.17	53.4	81	21	4.92	2.00	230.0	76	5.5	nw.
Charleston, S. C.	30.14	57.0	79	27	2.34	1.72	241.6	70	10.7	n.
Charlotte, N. C.	30.18	50.5	77	19	2.45	1.24	210.0	63	6.5	sw.
Columbia, S. C.	30.16	53.3	81	22	3.48	1.23	204.9	60	6.3	ne.
Savannah, Ga.	30.14	58.0	80	24	5.55	2.55	214.7	70	12.5	ne.
Wilmington, N. C.	30.16	54.4	79	24	3.30	2.91	221.9	70	7.0	w.
Period	30.16	53.0	81	9	3.73	2.91	217.2	68	8.0	ne. nw.

Errata—October, 1914.

BATESBURG.—Mean temperature (page 76) should be 63.6.

CONWAY.—Mean temperature (page 76) should be 65.8; mean maximum temperature (page 78) should be 75.2.

1.05 Stack
NSC

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

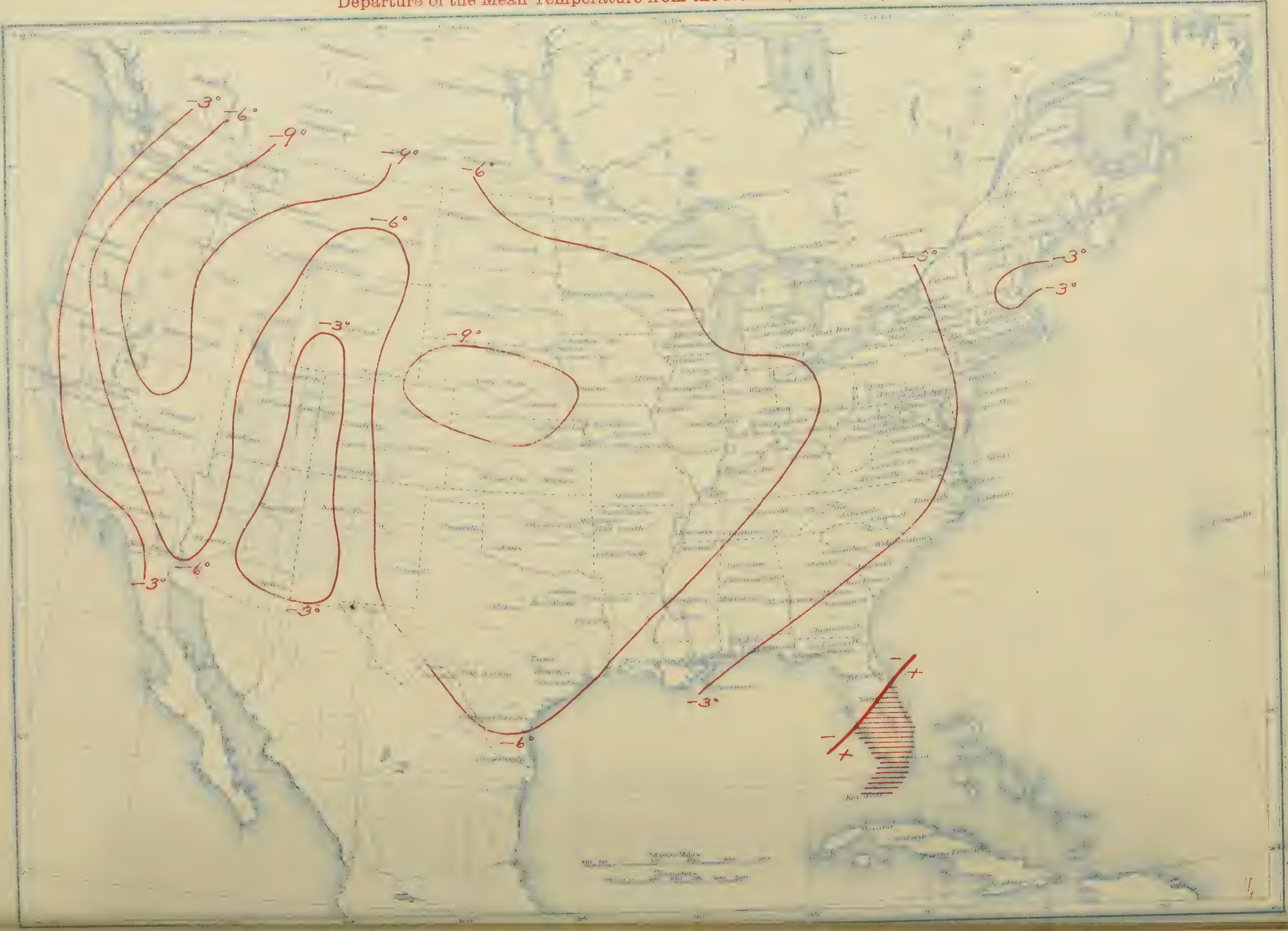
SOUTH CAROLINA SECTION

DECEMBER, 1914

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
January 28, 1915.

Departure of the Mean Temperature from the Normal, December, 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

Vol. XVII. Columbia, S. C., December, 1914. No. 12.

GENERAL SUMMARY.

Sustained cold weather after the first few days, accompanied by record-breaking cloudinesss, with frequent cold rains and comparatively little sunshine, places the month well down in the group of unseasonable, disagreeable and gloomy Decembers. During the period, 6th to 28th, the daily mean temperatures ranged below normal, with decided minus departures between the 14th and 19th and from the 26th to 28th. Precipitation was much above the average over the higher elevations of the Section, particularly over the northwestern tier of counties, Clemson College reporting the highest total of record for December. Heavy rains during the first week and last decade were followed by freshets in the several rivers, entailing unavoidable losses estimated at $10,835 during the two series of floods, but movable property valued approximately at $53,200 is reported as having been saved by timely warnings of the Weather Bureau. In consequence of unseasonable weather during the month, winter crops and outdoor work have made but little progress.

PRESSURE

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.13 inches. The highest pressure in the region covered by reports was 30.64 inches at Asheville, N. C., on the 17th, and in the Section proper, 30.56 inches at Columbia on the same date; lowest, 29.55 inches at Wilmington, N. C., on the 13th, and in the Section proper, 29.62 inches at Charleston on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 38 stations, was 43.9°, or 2.6° below the established normal. The highest temperature was 80° at Georgetown, Georgetown County, on the 1st. The lowest temperature was 11° at Clemson College on the 15th. The warmest periods of the month were on the 1st and 2d throughout the Section and at a few stations in the southern counties of the eastern portion on the 25th. The coldest period was from the 15th to 17th.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 86%; 8 p. m., 78%. The highest average percentages occurred over the upper Savannah watershed and the northeastern counties, and the lowest, over the central counties.

PRECIPITATION.

The average for the Section, 49 stations reporting, was 4.78 inches, or 1.35 inches above the established normal. Precipitation was general over the Section during the first week, about the 13th and 14th and during the last decade. As to quantity, the rainfall was badly distributed. Over the northwestern tier of counties the monthly amounts ranged from 7 to 11 inches, while over the coast districts and an extensive area of the eastern portion the measurements ranged from less than 3 down to less than 2 inches. The greatest local monthly amount was 11 inches at Clemson College, Oconee County, breaking the December record for that station; least amount, 1.51 inches at Georgetown, Georgetown County. The greatest amount during any 24 hours was 3.25 inches at Liberty, Pickens County, on the 25th. The average number of days with measurable precipitation was considerably in excess of the normal.

Snowfall in measurable quantities was recorded at Greenville, Greenville County, and Liberty, Pickens County, on the 13th. Snow flurries occurred at a number of stations of the more elevated counties between the 12th and the 26th.

WIND.

The prevailing winds were from the northeast. The average hourly velocity, determined from 7 anemometer records, was 8.0 miles. The highest average velocity in the region covered by reports was 10.9 miles per hour at Savannah, Ga., and the lowest average, 6.2 miles per hour at Augusta, Ga. In the Section proper the averages were 6.4 miles per hour at Columbia and 10.6 miles per hour at Charleston. The highest velocity for any 5-minute period was 40 miles per hour from the west at Savannah, Ga., on the 29th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 90.3 hours, or but 29 percent of the possible amount. The sustained cloudiness of the month exceeds all previous December records and shows remarkably subnormal conditions as between the averages of 6 clear, 6 partly cloudy and 19 cloudy days and the normals of 14, 7 and 10 days, respectively.

RIVER CONDITIONS.

Heavy rains over the upper drainage areas of the Santee and Pee Dee river systems between the 1st and 5th were followed by progressive floods in the several rivers between the 3d and 8th. Another series of freshets followed the heavy rains of the 25th, 26th and 27th in the upper reaches of the Section. As a consequence, the Santee River was in flood practically the entire month. The waters were at or above flood on the following dates: Blairs, Broad River (flood stage 14 feet), 3d, 6th, 26th and 27th, with a maximum stage of 16.9 feet on the 27th; Camden, Wateree River (flood stage 24 feet), 3d, 4th, 5th, 6th, 7th, 8th, 26th, 27th and 28th, with a maximum of 30.5 feet on the 27th; Catawba, Catawba River (flood stage 11 feet), 3d, 4th, 5th, 6th, 7th, 26th and 27th, with a maximum of 17.0 feet on the 6th; Chappells, Saluda River (flood stage 14 feet), 2d, 7th, 27th and 28th, with a maximum of 15.6 feet on the 28th; Cheraw, Pee Dee River (flood stage 27 feet), 6th, 7th, 26th, 27th and 28th, with a maximum of 33.2 feet on the 27th; Columbia, Congaree River (flood stage 15 feet), 3d and 27th,

(CONTINUED ON PAGE 96.)

Climatological Data for December, 1914.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of days. With precipit on. (0.01 in. or more)	Clear.	Part cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Eastern Portion.																				
Allendale	Barnwell	186	25	46.8	−0.8	72	1	22	16	32	3.28	+0.49	0.96	0	10	5	2	24	e.	H. G. Harris.
Beaufort	Beaufort	21	27	49.0	−2.8	71	25	26	17	30	3.79	+1.00	1.00	0	8	12	7	12	ne.	Miss Lillian H. Rice.
Blackville	Barnwell	296	25	46.2	−1.2	73	1	19	16	33	3.63	+0.13	1.56	0	11	5	8	18		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	11	47.0	−0.1	73	1	18	† 16	40	3.67	+0.16	1.40	0	12	6	7	18	w.	B. O. Evans.
Charleston	Charleston	48	43	48.8	0.7	68	25	28	17	24	2.35	−0.80	0.65	0	13	6	4	21	n.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	24	41.8	−2.4	65	1	16	16	26	4.61	+1.40	1.10	0	14					J. H. Powe.
Conway	Horry	25	28	ᵃ46.0	−2.1	ᵃ 69	1	ᵃ 19	16	ᵃ32	2.26	−0.98	0.45	0	10					Paul Quattlebaum.
Darlington	Darlington	175	18	43.1	−1.9	67	1	14	16	37	1.71	−1.16	0.35	0	13	7	3	21		D. C. McCall.
Dillon	Dillon	100	10	44.2	−2.3	69	1	19	16	30	4.17	+0.85	1.01	0	16					A. E. Rowell.
Edisto ‡‡	Bamberg	143	26								4.30	−0.61	1.45	0	14					Nathan Jenkins.
Effingham	Florence	106	21								5.26	+2.04	1.80	0	15					H. B. McCall.
Ferguson	Orangeburg	63	28	46.9	−1.4	72	25	25	16	42	2.24	−0.80	0.75	0	13					Joseph P. Simons.
Florence	Florence	136	25	42.8	−2.2	70	2	19	16	29	3.09	+0.07	1.06	0	9					H. K. Gilbert.
Georgetown	Georgetown	12	19	47.6	−1.6	80	1	21	16	46	1.51	−2.14	0.85	0	3	4	21	6	n.	A. P. Hazard.
Kingstree	Williamsburg	54	25	45.8	−1.4	77	1	19	† 16	30	2.25	−0.42	0.75	0	6	6	5	20	ne.	A. O. Matthews.
Pinopolis **	Berkeley	54	20	46.6	−1.4	70	† 1	25	16		2.98	+0.04	1.00	0	7	5	6	20	ne.	Miss E. P. Ravenel.
Rimini	Clarendon	97	4								2.95		0.88	0	14					William B. Wolfe.
St. George	Dorchester	109	25																	Geo. N. Snelling, M. D.
St. Matthews	Calhoun	269	25	43.7	−2.4	69	1	17	16	28	3.00	0.28	0.88	0	12	1	9	21	s.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	18								2.31	−1.36	0.50	0	12					W. G. Walker.
Society Hill	Darlington	192	22	41.7	−2.6	62	1	13	15	31	3.20	−0.07	0.82	0	14	5	8	18	n.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	16	48.4	−0.3	75	25	21	17	45	3.42	−0.14	0.67	0	15	5	11	15	e.	Miss E. H. Gadsden.
Walterboro	Colleton	69	11	48.8	−1.6	76	25	22	† 16	45	2.87	−0.53	0.52	0	15	7	5	19		J. A. Westerberg.
Yemassee	Hampton	24	18	47.2	−0.5	76	25	20	17	42	3.44	+0.10	1.02	0	13	6	4	21		J. G. Hutson.
Division means and extremes				45.9	−1.6	80	1	13	15	45	3.14	−0.08	1.80	0	12	6	7		ne.	
Western Portion.																				
Aiken	Aiken	527	19	43.2	−4.7	69	1	19	16	30	4.60	+0.86	0.65	0	16	4	10	17	ne.	W. M. Brown.
Anderson	Anderson	764	12	41.8	−2.3	69	2	16	15	29	6.99	+2.87	1.59	0	14	8	0	23	e.	H. H. Russell.
Batesburg	Lexington	656	25	40.6	−5.4	67	1	18	16	29	5.65	+1.88	0.92	0	12	8	1	22	s.	E. J. Hite.
Blairs	Fairfield	293	10								6.54	+1.94	2.13	0	12					J. N. Owens.
Calhoun Falls	Abbeville	508	21								4.27	+0.16	0.72	0	14					L. M. Parker.
Camden	Kershaw	222	17	44.0		68	1	19	† 16	25	4.73	+1.41	1.02	0	14	3	3	25	ne.	W. C. Brown.
Catawba	York	562	8								6.20		1.36	0	14					James C. Faris.
Chappells	Newberry	402	10								5.80	+0.77	1.34	0	16					J. J. Murran.
Clemson College	Oconee	850	22	43.5	+0.8	68	2	11	15	31	11.00	+6.14	2.12	0	11	14	5	12	ne.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	27	43.4	−0.5	68	1	20	17	23	3.13	+0.23	0.75	0	13	6	5	20	ne.	U. S. Weather Bureau.
Edgefield	Edgefield										3.57		0.70	0	12					T. L. Timmerman.
Gaston Shoals ‡‡	Cherokee	680	1								9.23		1.56	0	16					Harry A. Parshall.
Greenville	Greenville	989	21	40.0	1.2	73	2	15	† 15	29	9.45	+4.95	2.00	0.5	15	8	8	15	ne.	Spartan Goodlette.
Greenwood	Greenwood	671	25	40.1	−2.7	66	† 1	16	16	25	4.71	+0.24	0.79	0	14	10	0	21	w.	M. M. Calhoun.
Heath Springs	Lancaster	568	12	40.1	−2.1	65	1	17	16	24	5.58	+1.44	1.33	0	9	4	4	23	w.	J. Marvin Bowers.
Liberty	Pickens	900	19	40.6	−2.2	71	2	14	† 15	27	10.32	+5.56	3.25	1.0	13	8	5	18	e.	John T. Boggs.
Little Mountain	Newberry	711	20	42.6	−3.1	69	2	18	16	27	4.14	+0.84	1.23	0	15	6	9	16	ne.	J. M. Sease, M. D.
Meriwether	Edgefield		10	44.0	−2.4	70	† 1	17	16	30	3.86	−0.23	0.75	0	11	5	3	23		William S. Middleton.
Monetta	Saluda	400	7	43.6		68	2	20	16	24	4.44		1.17	0	17	4	8	19	w.	Joseph M. Johnson.
Newberry	Newberry	502	26	42.2	−2.8	71	† 1	18	16	24	6.02	+2.25	1.40	T.	16	3	7	21	e.	Warren G. Petterson.
Pelzer	Anderson	850	10								9.86	+4.84	1.48	0	14					Joshua Y. Jones.
Saluda	Saluda	536	11	43.2	−2.7	70	2	15	16	30	3.97	−0.05	0.63	0	12	8	5	18	n.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	19	41.4	−1.9	70	2	16	16	26	7.02	+2.87	1.78	T.	17	5	8	18	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	22	39.3	−2.9	68	2	15	15	28	10.69	+6.52	1.97	T.	13					F. P. Robinson.
Trenton	Edgefield	620	20																	
Winnsboro	Fairfield	545	24	40.4	−5.2	68	† 1	15	16	32	3.70	+0.45	1.00	0	13	8	4	19	se.	J. W. Seigler.
Winthrop College ‡‡	York	690	13	40.6	2.7	65	1	15	16	26	6.56	+2.17	2.38	0	10	4	11	16	ne.	W. P. Goodman.
Division means and extremes				41.8	−2.6	73	2	11	15	32	6.23	+2.19	3.25	0.1	14	7	5	19	ne.	
State means and extremes				43.9	−2.6	80	1	11	15	45	4.78	+1.35	3.25	T.	13	6	6	19	ne.	

The departures from the normal temperature and precipitation are computed for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ᵃ, ᵇ, ᶜ, appearing in the table indicate number of days missing; for example, ᵇ represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb: means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily Precipitation for December, 1914.

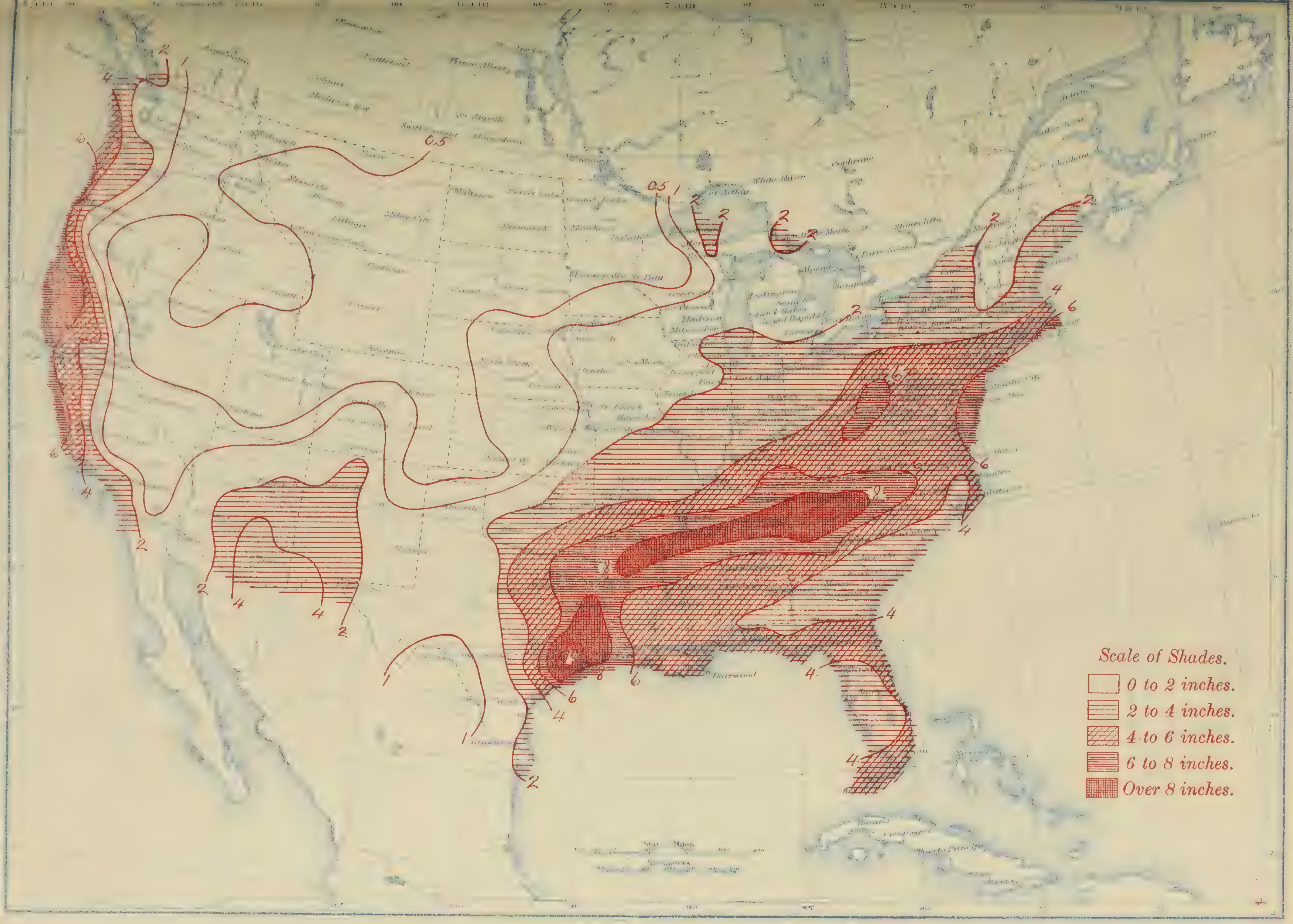
Stations.	Watershed.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ||||	Savannah	.48	.14		.11	.05								.18	.31						.10						.90		.05	.10	.86		3.28
Beaufort	Coast			T.	.80									.70						.60	.16					.20		.25	.08	1.00			3.79
Blackville ||||	Edisto	.57	.05		.11	.20	.04							.25	.20					.03	.30	.10			.10			.12	.65	.91			3.63
Bowman	do	.08	.16	.04	.12	.22	T.	.17	T.					.48							.52	T.	.16	.20	T.			.12		1.40			3.67
Charleston ***	Coast	T.	.02	.20	T.	.01	.03		T.					.65						.50	.01				T.	.46	.05	.19	.08	.14	.01		2.35
Cheraw ||||	Pedee	.26	.09		.20	1.10		.01						.08	.59						.24	.20		.06		.25	.86		.16	.12	.39		4.61
Conway ||||	Waccamaw		T.	T		T.	T.	T.	T.	.05	.12			.20	.25						.07			T.	T.	.30	.20	.38	.37	.10	.22		2.26
Darlington ||||	Pedee	.15	.02	T.	.02	.32		.03			.02			.05	.25						.05	.06		.11			.35		.10	T.	.18		1.71
Dillon	Little Pedee	.06	.02	.04	.50	.14	.10	.02						.86						T.	.03		.18		.01	1.01		.50	.19	.36	.15		4.17
Edisto ||||	Edisto	1.45			.11		.36							.20	.58					.03	.15	.09	.02	.09		.14	.80		.09	.09	.68		4.30
Effingham ||||	Lynches	.19	T.		.05	.12		.11			.08			T.	.63						T.	.06		.05		.10	1.80	.05	.70	.40	.92		5.26
Ferguson ||||	Santee		.04		.05	.14							.08	.40							.03	.03				.03	.75	.02	.20	.02	.45		2.24
Florence ||||	Pedee	.25	T.		.10	.15	T.			T.				.12	.86							.10					1.06	.35	.10				3.09
Georgetown	Coast	T.			T.	T.				.21	T.															.85	.45	T.	T.				1.51
Kingstree ||||	Black	.10				.27		.06			.12				.56														.75		.39		2.25
Pinopolis	Cooper			.11			.11		.02					1.00												.25		.75		.74			2.98
Rimini ||||	Santee	.07		.09	.15	.10		T.			.03				.60						.06	.07		.09	.03		.88	T.	.18	.05	.55		2.95
St. George ||||	Edisto																																......
St. Matthews ||||	Santee	.23			.09	.39								.20	.25						.11					.25	.88	.10	.10		.40		3.00
Smiths Mills ||||	Pedee	.10	T.	.05		T.	.05	T.		T.	.15			.12	.38						.05			.10		.08	.50	.10	.15	.25	.23		2.31
Society Hill ||||	do	.02		.07	.82	.02	.02						.23	.70						.15	.10		.20			.08		.42	.10	.27			3.20
Summerville	Ashley	T.	T.	.15	.13	.07		.03		T.				.50						.38	.04	.03			.03	.67	.13	.44	.30	.37	.15		3.42
Walterboro	Ashepoo	.02		.05	.48	.10								.49						.05	.03	.11			.02	.52	.17	.19	.10	.41	.13		2.87
Yemassee ||||	Combahee	1.02	.08	.02	.03	.42	.02			T.				.21	.28						.28	.02	.01				.42	.08	.04	T.	.51		3.44
Western Portion.																																	
Aiken	Edisto	.42	.40	.10	.10	.65	.10							.65						.15	.10	.32	.10	.12	.22	.50				.55	.12		4.60
Anderson	Savannah	.43	.09	.03	1.47	.11	.05							.92						.19	.16	.41	.18		.24	1.59				1.08	.04		6.99
Batesburg ||||	Edisto	.92	.79		.23	.59	.09							.29	.33						.27	.31		.23		.21	.74			.12	.53		5.65
Blairs ||||	Broad	2.13	.20		.08	.35								.18	.63						.22	.63		.25		.32	.80			.10	,65		6.54
Calhoun Falls ||||	Savannah	.72	.12	.22	.11	.70								.16	.29							.22	.41	.10			.43	.07		.39	.33		4.27
Camden ||||	Wateree	.18	.04		.31	.78		.06						.09	.71						.20	.11		.07		.08	1.02			.22	.85		4.73
Catawba ||||	Catawba	.14	.06		.48	.67	.05							.12	.86						.17	.65		.04		.68	1.36			.26	.66		6.20
Chappells ||||	Saluda	1.34	.62		.09	.50	.09							.38	.42						.24			.53		.20	.70			.30	.39		5.80
Clemson College	Savannah	1.28	.76	.05	2.12	.15								1.05							.32	.68	.03		*	3.36				1.20			11.00
Columbia ***	Congaree	.02	T.	.03	.21	.37	T.	T.	T.					.57					T.	.29	.01	.12	.14		.01	.75		T.	.02	.59			3.13
Edgefield ||||	Savannah	.70	.25			.12	.05							.30	.31								.30	.10			.65		.08	.12	.59		3.57
Gaston Shoals ||||	Broad	1.03	.94	T.	.34	1.18	.09			T.				.07	.75						.30	.73	T.	T.		1.15	1.56			.53	.56		9.23
Greenville ||||	Saluda		.45	.20	1.12	1.13	.20						T.	.05	1.03						.20	.75	.04	T.		*	3.01	T.	*	.95	.32		9.45
Greenwood ||||	do	.79	.06		.12	.25	.11							.22	.62							.10	.58		.19		.22	.75			.70		4.71
Heath Springs	Wateree				1.00	1.33								.65						.37	.30		.10			1.16	.11			.56			5.58
Liberty	Savannah	.78	.37	.04	1.80	.26	.10							1.20							.52	.60	.10		.20	3.25				1.10			10.32
Little Mountain	Saluda	1.23	.10	.07	.18	.12								.44						.15	.05	.24	.25		.03	.65			.02	.55	.06		4.14
Meriwether	Savannah	.30	.18	T.	.08	.67	.05		T.					.70						.20	T.		T.		.40	.75				.48	.05		3.86
Monetta	Edisto	1.17	.04	.02	.36	.14	.03	T.						.59						.15	.06	.27	.05	T.	.08	.88	.02		.01	.49	.08		4.44
Newberry	Saluda	1.40	.05	.04	.75	.30	.02							.82						.23	.05	.40	.20		.02	.87	.05		T.	.72	.10		6.02
Pelzer	do	1.48	.54	.04	1.02	1.08	.08							.20	.78						.32	.78	.04	.12		1.08	1.44			.48	.38		9.86
Saluda	do	.42	.08	.03	.21	.45								.63						.29		.40	.15		.40	.34				.57			3.97
Santuck	Broad	1.32	.20	.04	.53	.20	.03							.86						.18	.22	.60	.12	.02	.06	1.78	.06		T.	.70	.10		7.02
Spartanburg ||||	do	1.97	.55	T.	.78	1.11	.07							.04	.95						.25	.74				1.40	1.85			.68	.30		10.69
Trenton	Edisto																																
Winnsboro	Broad	.20	.15	.25	.30	.15								.18						.10	.15	.22	.25		.25	1.00				.50			3.70
Winthrop College	Catawba	.55			1.31	.27								1.00						.25	.16	.39		T.	.15	2.38				1.00			6.56

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

Daily Temperatures for December, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	72	67	64	67	62	49	50	57	55	72	45	47	60	46	40	37	47	50	53	55	60	63	62	61	63	39	45	52	53	54	55	54.3
	Minimum	63	63	60	58	57	47	42	42	41	40	31	29	30	36	26	22	23	26	33	31	37	42	47	45	43	31	24	28	42	41	36	39.2
Beaufort	Maximum	69	68	68	70	59	56	54	54	55	46	48	50	62	58	41	41	45	53	52	65	65	59	53	58	71	54	36	43	57	60	58	55.7
	Minimum	60	63	58	56	45	45	45	45	45	44	35	32	41	37	31	32	26	31	40	49	47	43	41	41	50	33	30	33	42	47	40	42.2
Blackville §§	Maximum	73	68	65	62	58	51	50	57	64	54	50	56	59	55	44	48	48	48	50	53	58	55	65	55	35	45	50	51	62	51	55	54.7
	Minimum	63	61	58	58	55	45	42	43	41	37	29	23	33	29	22	19	21	28	31	32	34	35	34	45	40	22	30	40	42	44	34	37.7
Bowman	Maximum	73	68	66	65	62	55	56	58	62	60	55	58	60	55	50	33	41	45	50	53	55	60	65	67	70	55	40	40	55	60	60	56.5
	Minimum	54	60	60	59	50	40	42	45	42	33	25	20	45	40	22	18	18	30	37	38	37	36	33	36	38	34	26	30	40	40	35	37.5
Charleston	Maximum	68	67	64	62	64	56	49	56	60	57	47	47	64	49	41	38	46	50	55	54	66	59	51	53	68	44	35	43	62	60	57	54.6
	Minimum	62	60	58	58	56	43	43	47	51	41	34	36	46	35	32	30	28	32	39	47	51	45	42	47	44	30	28	35	43	47	40	42.9
Cheraw §§	Maximum	65	59	58	56	51	42	46	52	58	50	42	48	46	48	37	35	44	44	45	44	50	46	53	45	45	33	37	40	51	58	50	47.7
	Minimum	61	55	55	52	50	41	40	40	40	40	34	23	32	32	22	16	19	26	31	38	37	36	30	34	43	25	20	32	36	38	33	35.8
Conway §§	Maximum	69	65	60	62	....	67	45	55	59	57	48	49	63	49	38	38	46	46	52	60	66	55	52	50	52	29	37	44	61	61	57	a 53.1
	Minimum	59	59	56	56	57	....	42	43	45	38	37	26	31	39	27	19	21	28	33	43	45	48	34	38	45	28	25	28	37	44	34	a 38.8
Darlington §§	Maximum	67	61	60	58	52	42	46	57	63	58	45	50	59	49	40	37	47	43	42	49	54	54	55	50	61	33	36	43	60	63	54	51.2
	Minimum	60	55	55	53	50	42	40	40	41	35	35	23	29	34	23	14	19	24	30	35	38	39	30	33	41	24	20	21	34	36	31	35.0
Dillon	Maximum	69	66	62	61	60	53	44	57	61	57	46	50	61	49	39	35	45	45	44	51	56	54	53	48	48	40	35	40	52	63	53	51.5
	Minimum	62	56	56	53	52	40	40	40	44	37	34	25	31	34	24	19	22	27	34	41	41	40	29	36	39	25	22	35	36	39	33	37.0
Ferguson §§	Maximum	71	63	65	62	60	48	48	57	64	56	47	48	62	48	40	37	47	47	47	55	62	55	53	58	72	33	36	43	62	61	56	53.6
	Minimum	62	61	58	58	60	47	43	43	45	37	31	32	34	37	31	25	26	28	32	40	45	44	38	39	47	30	28	28	37	42	37	40.2
Florence §§	Maximum	68	70	65	60	56	44	48	55	64	50	46	50	47	50	39	38	44	42	44	48	56	47	52	48	44	29	31	35	50	58	52	49.4
	Minimum	60	58	56	54	54	44	40	41	45	35	38	30	40	35	25	19	22	22	28	36	40	43	32	33	30	26	22	22	25	39	32	36.3
Georgetown	Maximum	80	68	65	60	62	50	48	56	58	60	50	50	52	56	43	37	50	49	52	54	71	70	51	74	72	32	38	33	42	58	64	55.1
	Minimum	56	56	58	56	60	42	40	48	42	48	32	26	32	38	30	21	24	26	39	44	48	47	39	52	52	30	33	26	33	33	36	40.2
Kingstree §§	Maximum	77	71	70	71	67	67	59	56	66	56	52	50	60	50	29	29	36	49	48	58	64	54	56	54	49	35	39	55	62	62	56	55.1
	Minimum	57	50	50	55	56	46	45	39	40	36	30	25	33	31	29	19	19	24	32	36	45	45	35	36	34	29	24	25	35	40	35	36.6
St. George §§	Maximum																																
	Minimum																																
St. Matthews §§	Maximum	69	62	61	60	54	46	47	55	64	57	43	47	58	48	37	36	44	44	45	52	57	51	54	55	54	45	38	48	61	61	53	51.8
	Minimum	61	58	56	56	53	44	40	40	39	36	26	23	30	33	25	17	20	22	28	35	40	35	31	36	39	27	21	24	35	40	33	35.6
Society Hill §§	Maximum	62	60	57	53	48	50	48	61	57	54	48	51	48	42	37	44	42	44	49	52	51	54	48	45	40	38	44	58	60	54	52	50.0
	Minimum	54	55	53	50	41	40	40	39	33	35	23	29	32	22	13	19	25	25	34	33	37	28	32	39	24	20	26	35	42	31	26	33.4
Summerville	Maximum	70	67	63	63	62	58	49	56	64	56	49	49	63	62	49	38	48	52	50	54	66	62	54	60	75	50	33	42	58	61	59	56.2
	Minimum	62	62	60	58	58	44	42	41	48	39	28	26	34	35	30	22	21	28	35	45	49	40	38	46	49	30	26	32	41	49	36	40.5
Walterboro	Maximum	70	69	65	70	71	61	49	56	66	58	52	51	62	62	45	39	49	54	54	53	56	63	54	61	76	52	34	44	59	64	51	57.1
	Minimum	62	59	59	59	59	47	43	43	44	37	29	24	36	36	29	22	22	29	36	45	50	40	37	44	50	31	26	32	41	50	38	40.6
Yemassee §§	Maximum	72	71	65	68	70	53	49	55	64	55	47	50	61	50	44	37	46	55	51	54	65	60	54	63	76	39	38	44	63	62	60	56.2
	Minimum	61	59	59	58	58	48	41	43	43	36	26	22	23	35	27	23	20	27	38	38	44	41	36	37	43	34	25	26	35	41	33	38.1
Western Portion.																																	
Aiken	Maximum	69	67	65	65	62	49	50	53	61	52	49	45	51	44	37	35	44	42	42	50	52	51	56	60	55	35	30	46	56	60	51	50.9
	Minimum	61	60	57	56	47	43	40	41	37	35	27	25	35	31	20	19	22	29	32	36	40	31	31	30	30	29	20	28	39	41	30	35.5
Anderson	Maximum	67	69	64	60	56	49	54	51	61	53	44	47	37	43	34	39	43	43	38	44	56	53	47	47	45	38	35	49	49	59	50	49.2
	Minimum	58	60	56	52	45	40	41	41	34	32	28	22	30	30	16	18	21	28	28	36	36	29	29	36	35	26	22	32	36	36	34	34.4
Batesburg §§	Maximum	67	64	60	60	51	46	49	50	60	51	41	49	50	42	38	35	42	40	39	48	50	41	47	50	46	36	35	45	58	59	48	48.3
	Minimum	54	52	57	55	50	41	39	40	36	37	29	22	26	30	20	18	20	20	25	30	32	31	28	30	32	27	20	24	30	37	30	33.0
Camden §§	Maximum	68	61	61	57	58	58	51	55	63	53	43	48	48	48	38	36	44	43	43	49	58	52	50	48	40	35	50	44	58	61	50	50.7
	Minimum	62	58	57	55	52	50	50	40	41	45	36	25	25	33	25	19	19	21	36	37	39	39	38	35	34	25	25	26	38	38	35	37.4
Clemson College	Maximum	67	68	67	59	58	50	55	53	57	57	52	42	40	42	39	36	40	41	44	46	55	55	62	52	54	33	37	48	47	53	53	50.4
	Minimum	59	59	58	55	48	44	42	49	34	39	33	21	32	31	11	15	16	28	33	38	40	29	42	44	46	26	26	30	38	36	33	36.6
Columbia	Maximum	68	64	61	59	56	49	49	52	60	52	42	46	47	46	37	35	43	39	41	50	55	48	50	47	47	36	37	44	59	59	50	49.3
	Minimum	62	57	56	56	49	41	42	44	38	36	32	26	36	30	25	21	20	29	35	40	40	36	32	41	36	28	21	33	39	43	35	37.4
Greenville §§	Maximum	69	73	59	54	46	47	54	52	58	54	36	45	35	44	37	37	44	42	40	44	56	39	49	43	43	33	35	51	47	58	49	47.5
	Minimum	55	59	56	54	44	41	41	38	33	33	29	21	22	26	15	16	15	18	27	31	37	29	28	29	38	29	21	21	33	33	33	32.4
Greenwood §§	Maximum	66	66	59	59	48	44	50	49	58	49	37	43	36	40	35	34	42	40	38	44	51	42	47	44	45	34	34	47	46	58	50	46.3
	Minimum	58	61	55	55	46	41	40	42	36	36	29	23	24	32	18	16	17	20	27	31	37	31	29	29	38	30	21	22	34	37	35	33.9
Heath Springs	Maximum	65	57	58	57	52	48	47	52	50	49	41	43	44	44	38	34	39	34	41	42	46	45	50	47	41	32	34	42	46	44	43	45.3
	Minimum	60	56	55	52	46	45	39	40	42	35	35	34	25	32	20	17	20	25	32	33	36	35	30	34	37	24	19	31	31	30	31	34.9
Liberty	Maximum	67	71	66	58	54	47	51	56	49	38	42	38	38	41	38	38	41	40	38	45	56	53	44	42	44	40	36	49	46	55	46	47.3
	Minimum	58	59	56	52	45	41	37	33	34	30	39	19	31	29	14	14	16	28	28	38	38	29	26	42	40	28	23	28	28	36	35	34.0
Little Mountain	Maximum	67	69	65	60	58	49	49	51	59	52	45	45	44	43	38	34	43	40	39	45	50	50	47	46	47	45	36	42	52	58	50	48.8
	Minimum	60	60	56	55	46	41	40	43	38	36	33	25	31	31	22	18	20	27	37	32	37	33	31	40	41	27	20	32	31	41	39	36.3
Meriwether	Maximum	70	70	64	65	62	49	51	53	61	53	48	48	45	43	39	37	46	43	43	48	54	54	49	49	52	45	39	49	53	60	51	51.4
	Minimum	62	57	57	61	48	43	42	42	40	36	28	22	33	33	21	17	18	21	31	36	32	39	36	38	43	32	24	34	41	41	30	36.7
Monetta	Maximum	67	68	66	60	60	48	49	51	60	55	46	46	50	43	38	34	44	40	39	50	51	50	50	48	48	43	35	43	55	60	55	50.1
	Minimum	62	60	56	57	48	43	41	42	40	38	30	24	32	33	23	20	22	29	32	36	39	33	30	40	43	29	21	34	39	42	33	37.1
Newberry	Maximum	71	71	64	59	58	49	50	51	60	52	42	45	40	44	37	34	43	41	39	45	51	48	48	45	47	46	35	42	47	58	48	48.7
	Minimum	62	60	57	56	45	42	41	42	36	36	31	24	32	30	21	18	20	26	32	36	38	31	30	39	33	28	20	32	35	40	34	35.7
Saluda	Maximum	68	70	66	61	60	60	51	50	61	54	48	46	47	45	45	36	44	45	40	47	50	50	50	48	46	50	49	47	56	60	52	51.7
	Minimum	61	60	55	57	56	42	41	40	34	35	29	21	30	32	21	15	16	17	24	36	38	30	28	37	34	22	22	33	39	40	32	34.7
Santuck	Maximum	66	70	65	58	55	46	51	52	58	50	45	44	37	44	36	35	41	41	38	45	53	50	49	44	45	40	33	47	43	55	49	47.9
	Minimum	61	59	56	53	45	41	41	41	32	35	34	23	30	29	18	16	18	25	29	35	36	30	28	38	40	26	19	31	36	40	34	34.8
Spartanburg §§	Maximum	64	68	60	55	46	44	50	53	48	47	37	45	35	40	36	36	45	40	41	43	52	42	51	42	41	31	33	51	47	53	45	45.8
	Minimum	54	59	55	53	44	40	40	41	34	35	32	23	24	30	15	16	17	22	27	21	36	33	28	28	39	27	19	23	32	35	34	32.8
Trenton	Maximum																																
	Minimum																																
Winnsboro	Maximum	68	68	60	60	48	45	48	52	50	45	46	40	45	44	35	38	35	40	42	42	45	44	45	45	41	34	36	49	48	55	53	46.6
	Minimum	60	58	51	53	40	39	37	40	39	35	34	24	35	34	19	15	19	25	31	32	33	30	40	40	24	15	17	32	35	40	32	34.1
Winthrop College	Maximum	65	62	60	58	53	45	49	52	56	51	43	43	40	43	37	33	40	39	38	44	50	50	48	44	48	39	33	40	44	55	49	46.8
	Minimum	60	58	56	52	44	39	39	40	37	34	35	25	33	29	17	15	19	26	30	34	35	30	26	38	38	25	17	30	35	38	33	34.4

a, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
0.5
1
2
4
6
8

RIVER CONDITIONS.—*Continued.*

(CONTINUED FROM PAGE 91.)

with a maximum of 16.1 feet on the 27th; Pelzer, Saluda River (flood stage 7 feet), 5th, 6th and 26th, with a maximum of 8.6 feet on the 5th; Rimini, Santee River (flood stage 12 feet), 3d to 19th and 24th to 31st, inclusive, with a maximum of 18.3 feet on the 10th; Ferguson, Santee River (flood stage 12 feet), 5th to 22d and 24th to 31st, inclusive, with a maximum of 14.3 feet on the 11th and 12th. Timely warnings were issued in advance of the freshets, and reports of the two series of floods indicate an approximate unavoidable loss of $10,835, while movable property saved by the warnings of the Weather Bureau is valued at $53,200.

MISCELLANEOUS PHENOMENA.

Earthquake (*date*).—Summerville, 23, very slight tremor, 6:55 a. m.

Fogs, dense (*dates*).—Camden, 23; Catawba, 8, 22; Charleston, 1, 2, 19, 20, 21; Cheraw, 1, 2, 10, 23; Columbia, 2, 4, 9, 13; Effingham, 2, 4, 9, 10, 23; Georgetown, 2, 4, 10, 18, 19, 20, 21; Liberty, 2, 23; Monetta, 5, 13; Smiths Mills, 10.

Hail (*dates*).—Liberty, 13, 22.

Halos (*dates*).—*Lunar:* Charleston, 30, 31; Columbia, 21, 23, 30; Gaston Shoals, 23. *Solar:* Charleston, 17; Columbia, 17; Santuck, 16. *Lunar corona:* Columbia, 31.

Sleet (*dates*).—Beaufort, 27; Bowman, 27; Catawba, 23; Charleston, 26; Cheraw, 22; Columbia, 27; Edisto, 27; Ferguson, 27; Gaston Shoals, 13, 22; Georgetown 28; Greenville, 22; Liberty, 13, 19; Pinopolis, 27; Spartanburg, 12, 22.

Thunderstorm (*date*).—Summerville, 4.

Errata—November, 1914.

LIBERTY.—Mean temperature (page 84), should be 48.8°. Mean minimum temperature (page 86), should be 36.4°.

SPARTANBURG.—Number of days with 0.01 inch or more of precipitation (page 84), should be 6.

COMPARATIVE DATA FOR DECEMBER.

Year.	Temperature.			Precipitation.		Average number of days			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Pt. Cldy.	Cloudy.	
1887	44.9	76	18	4.65	10				ne.-e.
1888	42.7	71	13	3.56	7				
1889	55.4	79	17	0.53	1				sw.
1890	45.9			2.25					
1891	49.9			1.91					
1892	47.1	76	6	2.45					
1893	47.2	79	17	3.05	6	17	7	7	sw.
1894	48.1	85	−1	2.56	7	15	8	8	nw.
1895	46.1	80	15	3.04	6	16	7	8	nw.
1896	44.0	83	8	3.55	7	17	6	8	ne.
1897	47.6	82	21	2.40	8	11	8	12	ne.
1898	45.9	77	9	2.84	8	12	7	12	nw.
1899	44.6	79	11	2.33	7	15	8	8	nw.
1900	45.5	79	18	5.64	8	14	7	10	n.
1901	44.0	80	2	5.01	11	13	5	13	n.
1902	46.8	85	10	4.26	7	14	6	11	nw.
1903	41.0	72	10	1.95	6	20	5	6	w.
1904	45.5	78	16	2.79	9	14	5	12	w.
1905	45.2	77	16	7.25	10	12	4	15	ne.
1906	48.0	89	11	3.25	7	14	8	9	sw.
1907	46.2	75	12	5.81	10	14	7	10	w.
1908	50.6	83	23	2.84	7	13	9	9	w.
1909	42.8	84	7	2.81	7	17	7	7	nw.
1910	42.0	76	12	2.36	5	18	7	6	w.
1911	49.8	85	18	4.94	9	11	7	13	ne.
1912	48.8	79	18	2.88	8	12	5	14	sw.
1913	47.8	77	16	4.25	9	10	7	14	w.
1914	43.9	80	11	4.78	13	6	6	19	ne.
Period	46.5	89	−1	3.43	8	14	7	10	ne.-w.-nw.

MISCELLANEOUS DATA FOR DECEMBER, 1914.

Stations.	Barometer—sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Sunshine—total hours.	Relative humidity—percent.	Wind.	
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.			Average hourly velocity—miles.	Prevailing direction.
Asheville, N. C.	30.16	36.2	67	4	6.51	2.13	77.6	81	7.9	nw.
Augusta, Ga.	30.14	45.4	70	22	2.76	0.67	86.0	85	6.2	nw.
Charleston, S. C.	30.10	48.8	68	28	2.35	0.65	108.5	81	10.6	n.
Charlotte, N. C	30.15	38.4	63	15	6.53	2.52	77.5	81	6.6	ne.
Columbia, S. C.	30.14	43.4	68	20	3.13	0.75	68.6	80	6.4	ne.
Savannah, Ga.	30.10	49.8	76	27	2.49	0.80	117.5	81	10.9	nw.
Wilmington, N. C.	30.12	45.6	72	20	2.39	0.72	96.2	83	7.7	n.
Period	30.13	43.9	76	4	3.74	2.13	90.3	82	8.0	nw.

05 Stack
C

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

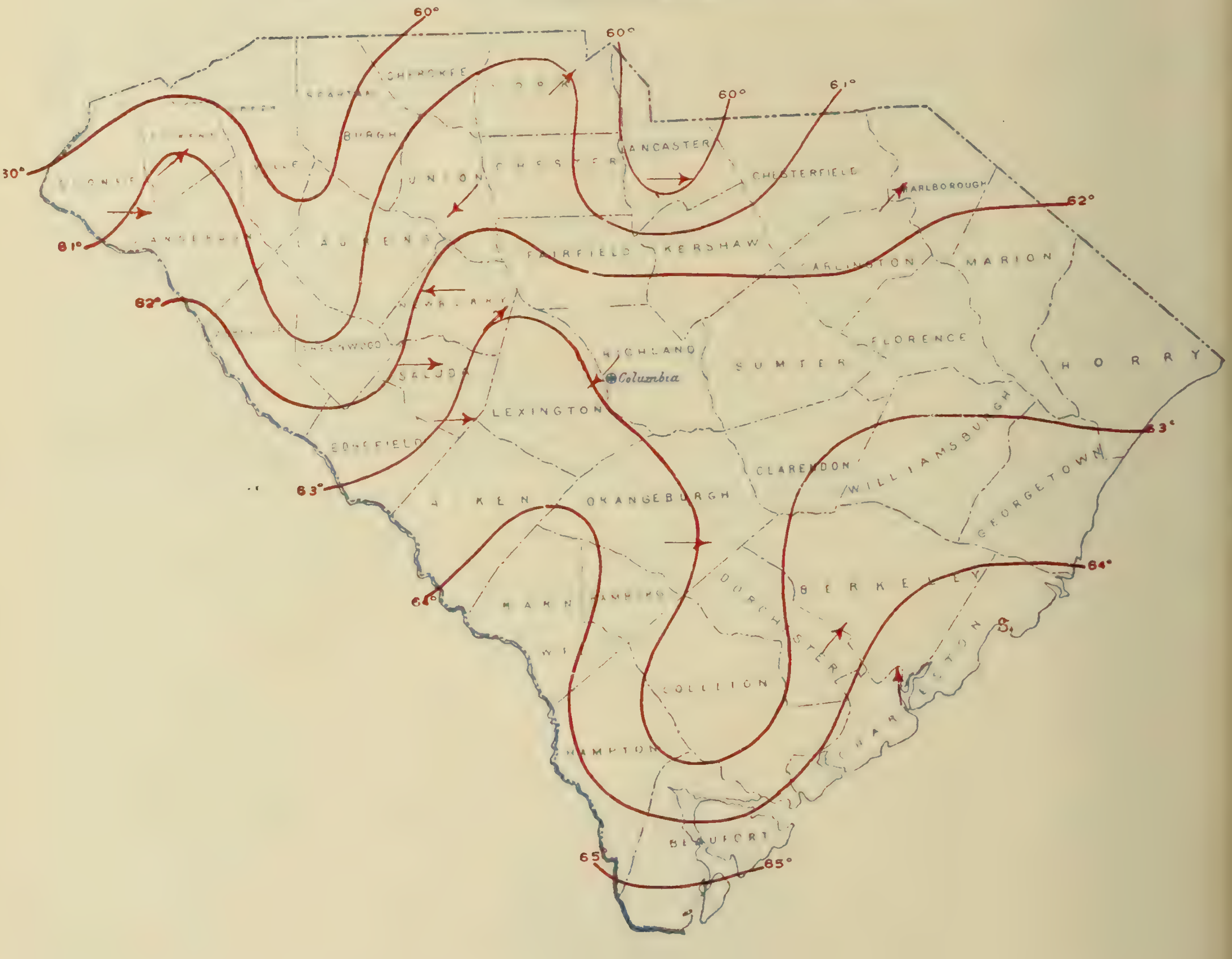
SOUTH CAROLINA SECTION

ANNUAL SUMMARY, 1914

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
March 24, 1915.

MEAN TEMPERATURE AND PREVAILING WINDS FOR THE YEAR OF 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

Vol. XVII. COLUMBIA, S. C., YEAR 1914. No. 13.

GENERAL SUMMARY.

The year as a whole was near normal as to temperature, but precipitation was considerably below the average, due largely to marked deficiencies during March, May and June. Abnormal, thermal and moisture conditions during March, followed by badly distributed rains during April, resulted in irregular seeding of spring crops, and vegetation began the growing season in various stages of advancement. The growing situation was further intensified by drought and much sunshine during May, with the result that the spring season closed 3.90 inches short of the usual amount of rainfall. With continued lack of sufficient and well distributed rains and the hottest weather of record during June, together with desiccating heat toward the close of July, vegetation advanced to midseason with irregular growth.

Probably the most serious and destructive thundershowers and hailstorms that ever visited the plantations of South Carolina occurred in the Piedmont districts on July 6 and 7, covering large portions of Anderson, Laurens, Spartanburg, Cherokee and York counties and entailing a general loss conservatively estimated at $955,000 on about 51,000 acres of land. Of this amount, York County is estimated to have lost $730,000 on about 40,000 acres. In this district the hail belt embraced an area of 5 by 25 miles to the northward of Rock Hill.

Aside from local drought and abnormal temperature changes covering short periods of time, the late summer and autumn months were near the seasonal average.

The year closed with one of the most disagreeable Decembers of record, the month being one of sustained low temperatures and almost maximum cloudiness, with frequent cold rains.

The last general spring killing frost occurred on March 23, and at a few upland stations as late as the 25th. The first autumn killing frosts occurred generally during the last four days of October. The average latest spring killing frost date of the Section for 1914 was March 24, or two days later than usual; average earliest autumn killing frost date for 1914, October 31, or 10 days earlier than normal. The growing season of 1914 for the Section as a whole was 221 days in length, or 12 days less than the average and three days shorter than in 1913.

In the growing season of 1914, March to September, inclusive, the total rainfall was 24.75 inches, or 6.00 inches below the 28-year average and nearly 6 inches below the amount for the same period last year.

During January, March, April, October and December, when freshets occurred in one or more of the rivers of the Section, the unavoidable loss approximated $31,480, while the value of movable property saved by timely warnings of the Weather Bureau has been estimated at about $110,800.

Annual mean temperature, 62.5°, or 0.4° below the 28-year normal. The warmest month was June, with a mean of 81.1°, or 3.4° above normal; coldest month, December, with a mean of 43.9°, or 2.6° below normal. Highest annual mean temperature, 64.9° at Charleston; lowest, 59.4° at Heath Springs, Lancaster County. Highest temperature, 108° at Blackville, Barnwell County, on June 25, or 1° above the highest June record, in 1887. Lowest temperature, 11° above zero at Clemson College, Oconee County, on December 15.

The average annual precipitation was 43.37 inches, or 4.54 inches below the 28-year normal. Greatest annual amount at any single station, 54.32 inches at Georgetown, Georgetown County; least annual amount, 30.00 inches at Darlington, Darlington County. Greatest monthly amount at any single station, 13.70 inches at Smiths Mills, Williamsburg County, in August; least monthly amount, 0.10 inch at Meriwether, Edgefield County, in May. Average annual number of days with measurable precipitation, 96; greatest annual number at any single station, 120 at Cheraw, Chesterfield County; least annual number, 59 at Georgetown, Georgetown County.

The total annual amounts of snowfall ranged from 2.1 to 18.0 inches, with an annual average for the Section of 8.8 inches. Practically all of this snowfall was recorded during the great snowstorm of February 25-26.

Average annual atmospheric pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, 30.09 inches. Highest pressure in the region covered by reports, 30.71 inches at Asheville and Charlotte on November 24; highest in the Section proper, 30.69 inches at Charleston and Columbia on the same date. Lowest pressure, 29.43 inches at Wilmington, N. C., on January 4; lowest in the Section proper, 29.54 inches at Columbia on the same date.

Average annual number of clear days, 163; partly cloudy, 110; cloudy, 92. The average annual sunshine, determined from 7 automatic records, was 62 per cent of the possible amount.

Average annual relative humidity: 8 a. m., 80 per cent; 8 p. m., 69 per cent; for the year, 74 per cent.

The prevailing winds were from the west. Annual average hourly velocity, determined from 7 anemometer records, 8.2 miles. Highest velocity for any 5-minute period during the year in the region covered by reports, 70 miles per hour from the west at Savannah, Ga., on May 7; highest 5-minute velocity in the Section proper, 59 miles per hour from the southwest at Columbia on July 9.

Earthquakes were reported from stations in the Section on March 5, May 31, June 19, July 13 and 14, September 22 and December 23.

WEATHER BY MONTHS.

January.—January was unusually mild and open, with no marked extremes of temperature and precipitation fairly distributed. Heavy rains in the upper drainage areas of the Pee Dee and Santee river districts about the beginning of the year, with resultant floods, caused an unavoidable loss of property estimated at $3,200, while approximately $17,000 worth of movable property was saved by the flood warnings of the Weather Bureau.

February.—February was a typical winter month, with marked cold waves on the 12th and 13th and from the 24th to the 26th. The former change was accompanied by cold rains and sleet, and record-breaking snowstorms occurred during the latter, with 10 to 18 inches of snow over a large portion of the Section. Thermal conditions were below the seasonal average.

Winter.—Mean temperature, 46.4°, or 0.2° above the normal determined for 28 years. Average total precipitation, 11.32 inches, or 0.07 inch above the 28-year normal.

March.—March was the coldest month of the name, with one exception, since the organization of the climatological service in 1887. Wintry, generally disagreeable weather prevailed until the last week, followed by a pronounced warm period at the close of the month. The last general freezing temperatures occurred on the 23d, and in the more elevated districts freezes were recorded as late as the 24th and 25th. Precipitation was considerably below normal, but was well distributed. The progressive freshet in the Pee Dee River during the period, February 21 to March 10, was attended by unavoidable loss of property estimated at $8,000, while the value of property saved by Weather Bureau warnings was considerably above this figure.

April.—April was warmer than usual. While the precipitation was near the normal, there was complaint of too much rain in the northwestern counties during the first half of the month as against insufficient rainfall along the lower Piedmont, on the upper coastal plain and in the extreme southern districts, resulting in very irregular seeding of crops. Heavy rains in the upper basins of the Pee Dee and Santee river districts on the 14th and 15th were followed by moderate floods in the lower rivers between the 16th and 28th, resulting in unavoidable loss of property estimated at $9,285, while movable property saved at the instance of Weather Bureau warnings was estimated at a value of $14,000.

May.—Drought and abnormal sunshine marked the weather of May. The rivers of the Section reached or fell to near the lowest known water mark at many points during the month. Conditions were materially improved by showers over the northern and eastern portions of the Section toward June. Alternating periods of high and low temperatures resulted in a mean somewhat above the seasonal average.

(CONTINUED ON PAGE 104.)

MONTHLY AND ANNUAL CLIMATOLOGICAL DATA FOR SOUTH CAROLINA, YEAR 1914.

Months	Temperature. Mean.	Departures.	Highest.	Lowest.	Precipitation. Average.	Departures.	Greatest local monthly amount.	Relative humidity. Average 8 a. m.	Average 8 p. m.	Sunshine average hours.	Number of days. Rainy.	Clear.	Partly Cloudy.	Cloudy.	Wind. Average hourly velocity.	Prevailing direction.
January	46.7	1.3	81	18	2.66	−0.66	2.05	80	65	196.9	5	16	9	6	9.6	w.
February	44.6	−2.1	78	14	4.41	−0.09	2.90	79	68	161.5	9	12	6	10	9.3	n.
March	50.2	−4.7	91	12	2.59	−1.37	4.05	76	62	263.2	8	14	9	8	9.9	w.
April	63.7	1.4	98	30	2.86	+0.01	5.58	75	67	272.6	7	11	10	6	9.3	w.
May	72.1	+0.6	105	42	0.83	−2.54	2.30	70	55	348.2	3	18	10	3	8.8	sw.
June	81.1	+3.4	108	50	3.80	−1.25	3.30	79	69	295.5	8	14	12	4	7.4	sw.
July	80.0	+0.1	107	53	5.16	−0.40	3.91	80	70	307.2	9	14	13	1	7.0	sw.
August	79.0	+0.2	101	56	5.88	−0.44	3.84	87	80	228.1	13	9	15	7	6.2	sw.
September	71.3	−2.9	101	43	3.63	−0.41	4.10	84	72	229.4	7	14	9	7	7.7	ne.
October	64.7	+1.6	92	26	3.44	+0.31	5.05	85	77	186.2	8	13	7	11	7.1	ne.
November	52.4	−1.4	86	17	3.33	−0.99	5.89	76	61	217.2	6	19	4	7	8.0	w.
December	43.9	2.6	80	11	4.78	+1.35	11.00	86	78	90.3	13	6	6	19	8.0	ne.
Annual	62.5	*−0.4	108	11	43.37	*−4.54	11.00	80	69	233.0	96	163	110	92	8.2	w.

* From 28-year averages

COMPARATIVE DATA FOR SOUTH CAROLINA.

Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation. Average.	Average days with 0.01 inch or more.	Average number of days Clear.	Partly Cloudy.	Cloudy.	Prevailing wind direction.
1887	62.3	110	5	43.43	101	...	...	...	...
1888	61.9	108	13	54.63	104	...	...	...	sw.
1889	62.0	102	10	46.76	86	...	...	...	se.[1]
1890	64.4	104	11	42.29	...	...	...	...	sw.
1891	63.0	...	13	47.52	...	...	...	...	...
1892	62.4	102	6	47.36	...	...	...	...	...
1893	63.0	104	3	53.68	98	...	...	...	sw.
1894	63.5	105	−1	50.49	105	154	123	88	sw.
1895	61.9	105	−6	48.99	88	154	116	95	sw.
1896	63.9	104	5	44.95	86	163	119	84	sw.
1897	63.3	107	3	46.40	99	158	102	105	sw.
1898	63.2	106	8	49.26	107	143	111	111	sw.
1899	62.8	105	−11	46.76	95	158	104	103	sw.
1900	63.2	106	1	49.79	96	167	99	99	sw.
1901	61.1	102	2	54.98	106	167	102	96	sw.
1902	62.6	107	10	46.43	98	172	99	94	sw.
1903	62.2	105	10	50.87	103	166	95	104	sw.
1904	61.7	105	8	40.98	95	188	87	91	sw.[1]
1905	62.6	107	0	45.10	92	169	85	111	sw.[1]
1906	63.3	102	11	54.81	107	159	103	93	sw.
1907	63.3	106	12	47.79	99	157	123	75	sw.
1908	63.7	109	12	53.33	94	169	114	83	sw.
1909	63.4	105	7	44.61	91	178	113	73	sw.
1910	62.7	103	11	45.31	91	181	111	73	sw.
1911	64.9	106	16	39.80	91	161	120	84	sw.
1912	62.5	109	6	54.32	102	177	70	119	sw.
1913	63.8	109	16	47.57	93	181	81	103	sw.
1914	62.5	108	11	43.37	96	163	110	92	w.
Period	62.9	110	−11	47.91	97	166	105	94	sw.

[1] Also other directions.

KILLING FROSTS AND GROWING DAYS.

Stations.	1914. Last in spring.	First in autumn.	Averages—all records. Last spring date.	First autumn date.	No. of growing days.
EASTERN PORTION.					
Allendale	Mch. 24	Nov. 11	Mch. 13	Nov. 16	248
Beaufort	Mch. 22	Nov. 20	Feb. 28	Nov. 30	275
Blackville	Mch. 24	Oct. 28	Mch. 19	Nov. 14	240
Bowman	Mch. 24	Oct. 28	Mch. 23	Nov. 5	227
Charleston	Mch. 13	Nov. 21	Feb. 19	Dec. 11	295
Cheraw	Mch. 24	Oct. 28	Apr. 1	Nov. 3	216
Conway	Mch. 23	Oct. 28	Mch. 25	Nov. 8	228
Darlington	Mch. 24	Oct. 28	Mch. 29	Nov. 1	217
Dillon	Mch. 24	Oct. 28	Apr. 2	Nov. 1	213
Ferguson	Mch. 24	Oct. 29	Mch. 25	Nov. 7	227
Florence	Mch. 23	Oct. 28	Mch. 22	Nov. 9	232
Georgetown	Mch. 22	Nov. 11	Mch. 10	Nov. 21	256
Kingstree	Mch. 23	Oct. 28	Mch. 13	Nov. 19	251
Pinopolis	Mch. 21	Nov. 20	Mch. 4	Nov. 29	270
St. George	Mch. 24	Oct. 28	Mch. 9	Nov. 15	251
St. Matthews	Mch. 24	Oct. 28	Mch. 13	Nov. 14	246
Society Hill	Apr. 9	Oct. 28	Mch. 19	Nov. 10	236
Summerville	Mch. 23	Nov. 11	Mch. 15	Nov. 14	244
Walterboro	Mch. 24	Oct. 28	Mch. 15	Nov. 9	239
Yemassee	Mch. 25	Oct. 28	Mch. 11	Nov. 14	248
Normal	...	...	Mch. 16	Nov. 14	243
Averages for 1914	Mch. 24	Nov. 3	...	...	224
WESTERN PORTION.					
Aiken	Mch. 23	Oct. 28	Mch. 30	Nov. 10	225
Anderson	Mch. 23	Oct. 28	Mch. 28	Nov. 4	221
Batesburg	Mch. 24	Oct. 28	Mch. 29	Nov. 11	227
Camden	Mch. 15	Oct. 29	Mch. 22	Nov. 8	231
Clemson College	Mch. 24	Oct. 28	Apr. 3	Oct. 31	211
Columbia	Mch. 23	Nov. 17	Mch. 20	Nov. 18	243
Greenville	Mch. 25	Oct. 28	Apr. 6	Nov. 1	209
Greenwood	Mch. 24	Oct. 28	Mch. 23	Nov. 9	231
Heath Springs	Apr. 10	Oct. 28	Mch. 27	Oct. 31	218
Liberty	Mch. 24	Oct. 28	Apr. 1	Nov. 1	214
Little Mountain	Mch. 23	Oct. 28	Mch. 24	Nov. 12	233
Meriwether	Mch. 24	Oct. 28	Mch. 23	Nov. 2	224
Monetta	Mch. 23	Oct. 28	Mch. 25	Nov. 4	224
Newberry	Mch. 24	Oct. 28	Mch. 30	Nov. 1	216
Saluda	Mch. 24	Oct. 28	Apr. 3	Nov. 2	213
Santuck	Mch. 24	Oct. 28	Apr. 4	Oct. 29	208
Spartanburg	Mch. 25	Oct. 28	Mch. 25	Nov. 1	221
Trenton	Mch. 23	Oct. 28	Mch. 17	Nov. 16	244
Winnsboro	Mch. 23	Oct. 28	Mch. 27	Nov. 14	232
Winthrop College	Mch. 23	Oct. 28	Mch. 28	Nov. 7	224
Normal	...	...	Mch. 27	Nov. 6	224
Averages for 1914	Mch. 24	Oct. 29	...	...	219
Section Normal	...	...	Mch. 22	Nov. 10	233
Section averages for 1914	Mch. 24	Oct. 31	...	...	221

NOTE.—Killing frost data in above table determined according to the following standard: Last or first clear or partly cloudy day with temperature of 32° or lower and last or first cloudy day with 31° or lower, but without rain, sleet or snow; in case of precipitation, then the next succeeding day with proper temperature and weather was used. The average number of growing days is the difference between the average spring and autumn killing frost dates.

Climatological Data for the Year 1914.

Stations.	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).									Sky.			
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall.	Number rainy days.	Number clear days.	Number partly cloudy days.	Number cloudy days.	Prevailing direction of wind.
EASTERN PORTION.																				
Allendale	Barnwell	186	28	...	105	June 24	21	Nov. 20	33	40.37	6.54	July	1.18	May	8.5	87	...	...	...	...
Beaufort	Beaufort	21	27	...	99	June 24	...	...	29	...	...	...	...	...	3.0	...	...	...	...	...
Blackville	Barnwell	296	27	64.8	108	June 25	19	Feb. 26†	31	46.93	7.15	July	0.19	May	7.0	99	...	...	...	...
Bowman	Orangeburg	160	14	63.3	104	June 24†	18	Nov. 21†	14	51.70	7.20	July	1.81	May	7.1	108	213	88	64	w.
Charleston	Charleston	48	44	64.9	101	June 24	24	Mar. 2	44	44.32	7.14	July	0.82	May	2.1	106	155	101	109	s.
Cheraw	Chesterfield	144	28	61.4	104	July 26	16	Dec. 16	32	43.13	6.18	Aug.	0.67	May	16.0	114	...	...	...	...
Conway	Horry	25	18	62.6	103	June 24	19	Dec. 16	27	42.80	13.19	Aug.	1.44	May	7.0	89	...	...	...	...
Darlington	Darlington	175	17	61.6	106	July 24†	14	Feb. 27†	20	30.00	4.90	Aug.	1.44	Apr.	13.8	91	...	...	...	...
Dillon	Dillon	100	18	62.0	104	July 26	19	Dec. 16	16	40.83	5.31	Sept.	0.48	May	10.0	107	...	...	...	...
Edisto ‡‡	Bamburg	143	...	...	...	...	...	...	27	40.76	8.84	July	0.77	May	9.0	91	...	...	...	...
Effingham	Florence	106	...	...	...	...	...	...	24	38.35	5.87	Sept.	0.87	May	14.7	89	...	...	...	...
Ferguson	Orangeburg	63	27	63.7	100	June 24†	23	Mar. 2	29	52.09	9.74	Aug.	2.24	Dec.	7.5	92	...	...	...	...
Florence	Florence	136	28	62.3	106	July 26	19	Dec. 16	33	34.34	4.19	Aug.	1.70	May	12.0	77	...	...	...	...
Georgetown	Georgetown	12	22	...	103	July 25	21	Dec. 16	22	54.32	8.05	Aug.	1.51	Dec.	5.0	59	140	180	45	...
Kingstree	Williamsburg	54	28	63.3	103	June 25†	19	Dec. 16	33	41.52	10.38	Aug.	1.10	May	6.0	90	...	...	...	...
Pinopolis**	Berkeley	54	18	...	96	June 24	...	...	68	50.53	7.31	June	1.76	Jan.	5.5	87	...	...	...	...
Rimini	Clarendon	97	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...
St. George	Dorchester	109	28	...	...	...	...	...	33	...	...	...	...	...	...	...	...	...	...	...
St. Matthews	Calhoun	269	28	62.7	106	June 24†	17	Dec. 16	33	39.03	6.59	Aug.	0.55	May	7.0	93	...	...	...	...
Smiths Mills	Georgetown	62	...	...	...	...	...	...	19	48.83	13.70	Aug.	0.30	May	6.0	104	...	...	...	...
Society Hill	Darlington	192	24	62.0	105	July 23†	13	Dec. 15	24	35.26	6.72	Aug.	1.05	May	18.0	91	136	168	61	sw.
Summerville	Dorchester	75	17	63.9	102	June 25	21	Dec. 17	17	51.78	7.76	July	1.66	May	4.0	118	73	247	45	sw.
Walterboro	Colleton	69	12	...	104	June 24	...	...	12	...	...	...	...	...	...	...	...	...	...	...
Yemassee	Hampton	24	21	62.9	102	June 24	20	Jan. 14†	26	36.88	6.76	Aug.	0.52	May	4.0	95	...	...	...	...
WESTERN PORTION.																				
Aiken	Aiken	527	25	63.0	104	June 24†	18	Mar. 2	49	41.60	6.80	Aug.	0.59	May	7.5	89	...	...	...	...
Anderson	Anderson	764	27	...	106	June 25	16	Dec. 15	31	40.15	6.99	Dec.	0.62	May	5.5	98	...	...	...	...
Batesburg	Lexington	656	27	61.5	101	June 24†	17	Mar. 2	31	44.24	8.82	July	0.22	May	7.1	90	...	...	...	...
Blairs	Fairfield	293	...	...	...	...	...	...	10	41.12	6.54	Dec.	0.15	May	13.0	81	...	...	...	...
Calhoun Falls	Abbeville	508	...	...	...	...	...	...	23	34.96	5.04	Nov.	0.80	Mar.	7.0	85	...	...	...	...
Camden	Kershaw	222	9	62.4	105	July 26	19	Dec. 16†	49	35.12	8.84	Aug.	0.91	May	12.0	117	177	98	90	...
Catawba	York	562	...	...	...	...	...	...	9	43.68	6.20	Dec.	0.38	May	11.3	107	...	...	...	...
Chappells	Newberry	402	...	...	...	...	...	...	10	39.00	7.81	Aug.	0.25	May	7.5	93	...	...	...	...
Clemson College	Oconee	850	20	61.0	98	June 25†	11	Dec. 15	23	40.22	11.00	Dec.	0.26	June	6.0	80	191	95	79	w.
Columbia	Richland	351	28	62.8	103	June 24	20	Dec. 17	28	37.95	6.31									
												June	0.55	May	11.7	114	144	126	95	ne.
Edgefield	Edgefield	...	...	...	...	...	...	...	2	...	...	...	...	...	7.0	...	...	...	...	...
Gaston Shoals‡‡	Cherokee	680	...	...	...	...	...	...	2	42.97	9.23	Dec.	0.94	May	7.5	116	...	...	...	...
Greenville	Greenville	989	23	59.7	100	June 25	15	Dec. 15†	31	45.23	9.45	Dec.	0.86	June	10.2	110	...	...	...	...
Greenwood	Greenwood	671	28	60.9	105	June 25	16	Dec. 16	31	32.85	4.72	Aug.	0.29	May	8.0	77	...	...	...	...
Heath Springs	Lancaster	568	13	59.4	101	July 26	17	Mar. 2†	13	40.92	5.58	Dec.	0.89	May	11.5	85	160	91	114	w.
Liberty	Pickens	900	22	61.2	103	June 25	14	Dec. 15†	22	44.28	10.32	Dec.	0.90	May	14.2	108	190	86	89	sw.
Little Mountain	Newberry	711	22	63.0	105	July 26	18	Dec. 16†	22	39.84	4.48	Feb.	0.82	May	14.0	96	238	38	89	sw.
Meriwether	Edgefield	...	12	63.0	105	June 24†	17	Dec. 16	12	40.19	6.33	July	0.10	May	7.0	85	...	...	...	...
Monetta	Saluda	400	8	63.0	104	June 25	19	Mar. 2	8	39.93	6.28	July	0.37	May	8.0	120	147	122	96	w.
Newberry	Newberry	502	23	62.2	106	June 24†	18	Dec. 16	28	39.12	6.02	Dec.	0.17	May	10.5	112	115	149	102	e.
Pelzer	Anderson	850	...	...	...	...	...	...	11	45.27	9.86	Dec.	0.58	May	6.0	98	...	...	...	...
Saluda	Saluda	536	13	62.7	106	June 25	15	Dec. 16	13	39.58	4.62	Feb.	0.35	May	8.0	96	...	...	...	w.
Santuck	Union	512	22	61.6	106	June 25	16	Dec. 16	22	39.82	7.02	Dec.	0.47	May	11.7	103	123	165	77	ne.
Spartanburg	Spartanburg	875	27	60.0	105	June 25†	12	Mar. 2	33	36.77	10.69	Dec.	0.65	May	6.0	98	...	...	...	...
Trenton	Edgefield	620	22	...	106	June 25	...	...	22	...	...	...	...	...	...	...	...	...	...	...
Winnsboro	Fairfield	545	26	61.6	102	July 26	15	Dec. 16	28	40.96	6.05	June	0.63	May	10.5	73	224	85	56	...
Winthrop College ‡‡	York	680	15	61.1	107	July 25†	15	Dec. 16	15	39.49	9.83	July	1.06	May	14.0	72	80	231	64	sw.

† On other dates also.

** Temperature data are from observed readings of the dry bulb; means are computed from obseved readings.

‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

Monthly and Annual Precipitation for the Year 1914, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November		December.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
EASTERN PORTION.																										
Allendale	3.01	+0.17	3.88	−0.28	2.23	−1.63	2.31	−0.25	1.18	−2.26	4.46	−0.97	6.54	+1.11	4.56	−1.26	4.75	−0.83	1.70	−0.72	2.47	+0.76	3.28	+0.49	40.37	− 4.87
Beaufort	......	......	9.49	+5.71	2.40	−1.08	1.25	−1.20	1.55	−1.66	4.95	−0.08	5.99	−0.09	10.37	+3.33	4.03	−1.24	4.65	+1.38	3.56	+1.40	3.79	+1.00	......	......
Blackville	2.58	−0.34	3.46	−0.91	2.69	−0.98	2.61	−0.66	0.19	−3.38	3.81	−1.87	7.15	−1.92	6.69	+0.95	6.72	+2.43	4.04	+1.07	3.36	+1.34	3.63	+0.13	46.93	− 0.04
Bowman	2.64	−0.52	5.23	+1.11	3.52	−0.73	3.66	+0.20	1.81	−1.73	6.76	1.11	7.20	+1.80	5.69	−0.25	2.77	−0.75	4.92	+2.33	3.83	+2.01	3.67	+0.16	51.70	+ 4.54
Charleston	2.10	−1.35	6.87	+3.46	2.34	−1.38	2.77	−0.22	0.82	−2.65	4.33	−1.06	7.14	−0.12	4.43	−2.54	4.69	−0.77	4.14	+0.21	2.34	−0.53	2.35	−0.80	44.32	− 8.75
Cheraw	3.01	+0.20	4.96	+0.66	2.60	−1.16	2.37	−0.42	0.67	−3.00	4.17	−1.22	5.75	−0.03	6.18	−0.55	3.08	−0.56	2.58	−0.28	3.15	+1.00	4.61	+1.40	43.13	− 4.12
Conway	4.32	+0.95	5.81	+1.30	3.53	−0.17	3.39	+0.50	1.44	−2.01	1.82	−3.41	3.55	−3.06	13.19	+6.41	7.24	+2.51	3.08	−0.44	3.30	+1.06	2.26	−0.98	42.80	− 8.95
Darlington	2.47	−0.03	3.33	−1.33	1.66	−1.59	1.44	−1.86	1.73	−1.76	3.20	−3.46	3.04	−1.90	4.90	−0.23	2.49	−1.48	2.40	−0.57	1.63	−0.70	1.71	−1.16	30.00	−16.64
Dillon	2.30	+0.61	4.03	−0.69	3.55	−0.13	3.42	+0.25	0.48	−3.12	4.33	−1.95	0.78	−5.12	4.94	−0.23	5.31	−0.89	4.76	+1.30	2.76	+0.84	4.17	+0.85	40.83	− 7.96
Edisto	2.68	−0.41	4.18	−0.83	2.85	−1.29	2.47	−0.80	0.77	−2.33	6.09	+0.39	8.84	+3.66	6.09	−0.24	4.64	+1.15	1.96	−0.32	2.75	+0.62	4.30	+0.61	40.76	− 8.20
Effingham	2.18	−1.00	5.48	+0.06	3.16	−0.95	2.44	−0.77	0.87	−2.61	2.66	−3.86	1.35	−3.28	4.29	−2.21	5.87	+2.53	2.75	−0.31	2.04	−0.21	5.26	+2.04	38.35	−11.22
Ferguson	3.54	+0.16	4.78	+0.77	3.02	−0.44	3.23	+0.45	2.72	−1.43	7.67	+1.89	5.35	−0.49	9.74	+2.52	3.74	−0.10	3.69	+0.73	2.37	+0.22	2.24	−0.80	52.09	+ 3.35
Florence	2.19	−1.34	3.73	−0.70	1.93	−1.18	2.37	−0.48	1.70	−1.92	3.88	−1.58	3.31	−2.18	4.19	−1.39	2.99	−1.17	2.66	−0.48	2.30	+0.06	3.09	+0.07	34.34	−10.55
Georgetown	5.05	+1.61	7.63	+3.32	1.77	−1.80	2.30	−0.87	1.80	−1.13	4.68	−1.12	7.40	+0.65	8.05	+1.20	7.55	+3.41	4.25	+0.66	2.33	+0.01	1.51	−2.14	54.32	+ 4.87
Kingstree	1.79	−1.24	4.13	−0.10	4.03	−0.39	3.87	+0.94	1.10	−2.24	4.56	−0.97	4.24	−1.50	10.38	+4.06	2.27	−1.54	5.72	+2.99	3.10	+0.87	2.25	−0.42	41.52	− 4.24
Pinopolis	1.76	−1.34	4.95	+1.43	3.46	−0.16	3.06	+0.11	2.39	−1.35	7.31	+1.44	6.01	−0.33	7.09	+0.51	5.05	+0.49	4.38	+1.33	2.09	−0.37	2.98	+0.04	50.53	+ 1.26
Rimini	......	......	......	......	3.25	......	2.37	......	0.35	......	4.64	......	9.90	......	6.66	......	3.73	......	2.40	......	2.79	......	2.95	......	......	......
St. George	......	......	......	......	3.18	−0.28	4.91	+1.85	0.75	−2.61	4.30	−1.17	8.63	+2.70	5.35	−1.16	4.27	+0.22	3.43	+1.11	2.53	+0.60	......	......	......	......
St. Matthews	2.92	−0.38	2.79	−2.22	2.88	−0.67	2.50	−0.78	0.55	−3.15	5.06	−0.94	5.03	−0.55	6.59	+0.89	3.43	−0.22	1.17	−1.56	3.11	+1.01	3.00	−0.28	39.03	− 9.08
Smith Mills	2.80	+0.01	4.98	+0.51	3.27	−0.58	3.23	−0.04	0.30	−3.83	2.54	−3.37	3.84	−2.21	13.70	+6.92	4.83	+0.84	3.93	+0.30	3.10	+0.89	2.31	−1.36	48.83	− 1.99
Society Hill	2.87	−0.05	3.64	−1.22	3.18	−0.16	2.20	−1.16	1.05	−2.27	5.45	−0.56	4.60	−1.66	6.72	+0.80	2.53	−1.60	2.63	−0.52	3.70	+1.49	3.20	−0.07	35.26	−13.39
Summerville	2.67	−0.46	6.52	+2.22	4.05	−0.66	2.89	−0.63	1.66	−1.44	5.87	+0.11	7.76	+1.86	5.87	−2.22	5.03	+0.76	4.14	+0.22	1.90	−0.48	3.42	−0.14	51.78	+ 0.97
Walterboro	......	......	5.63	+0.09	3.47	−0.47	2.48	−0.78	0.88	−3.03	4.34	−1.25	6.01	−1.47	9.34	+2.56	4.84	−0.02	2.98	−0.30	3.27	+1.55	2.87	−0.53	......	......
Yemassee	2.92	−0.14	4.57	+0.57	3.18	−0.41	2.31	−0.69	0.52	−2.90	6.02	−0.04	4.00	−2.86	6.76	+0.08	4.16	−0.09	3.22	+0.73	3.27	+1.27	3.44	+0.10	36.87	−12.05
WESTERN PORTION.																										
Aiken	3.20	−0.41	3.69	−0.42	1.22	−2.87	1.77	−1.36	0.59	−2.92	4.05	−0.77	4.56	+0.03	6.80	+0.98	4.65	+1.32	2.82	−0.13	3.65	+0.89	4.60	+0.86	41.60	− 4.62
Anderson	1.85	−2.35	4.34	−1.30	2.36	−2.66	3.10	−0.19	0.62	−3.24	1.80	−3.63	5.41	+0.43	3.68	−1.94	2.17	−1.47	3.44	+0.51	4.39	+1.71	6.99	+2.87	40.15	− 9.01
Batesburg	3.27	−0.42	4.46	−1.35	1.61	−3.10	2.43	−0.51	0.22	−3.31	2.38	−2.79	8.82	+3.50	5.89	−0.13	3.49	−0.41	3.09	−0.16	2.93	+0.43	5.65	+1.88	44.24	− 5.20
Blairs	2.60	......	4.07	......	2.94	......	3.72	......	0.15	......	2.51	......	5.76	......	4.79	......	3.24	......	1.90	−0.72	2.90	+0.40	6.54	+1.94	41.12	......
Calhoun Falls	1.77	−2.14	4.55	−0.60	0.80	−3.87	3.76	+0.20	0.92	−2.41	2.81	−1.83	2.68	−2.73	2.83	−2.73	2.09	−2.07	3.44	+0.61	5.04	+2.50	4.27	+0.16	34.96	−15.10
Camden	2.97	−0.21	4.56	+0.50	2.81	−0.90	3.71	+0.77	0.91	−2.25	4.47	−0.01	2.01	−3.28	8.84	+3.39	3.14	−0.81	2.64	−0.13	1.86	−0.29	4.73	+1.41	35.12	− 9.26
Catawba	3.10	......	3.53	......	2.42	......	2.79	......	0.38	......	3.06	......	5.75	......	5.65	......	4.08	......	3.29	......	3.43	......	6.20	......	43.68	......
Chappells	1.22	......	5.29	......	2.57	......	2.92	......	0.25	......	1.37	......	2.74	......	7.81	......	1.89	......	3.00	−0.72	4.14	+1.74	5.80	+0.77	39.00	......
Clemson College	1.18	−3.23	3.07	−2.46	1.46	−3.53	5.58	+1.06	0.33	−3.22	0.26	−5.14	3.95	−1.28	4.47	−1.01	4.43	+0.44	4.57	+1.22	4.17	+1.47	11.00	+6.14	40.22	−12.82
Columbia	2.92	−0.37	4.45	−0.14	2.08	−1.62	1.88	−0.98	0.55	−2.64	6.31	+2.13	4.41	−1.65	3.44	−3.34	2.60	−0.85	2.70	−0.15	3.48	+1.25	3.13	+0.23	37.95	− 8.13
Edgefield	2.48	......	2.99	......	......	......	1.50	......	0.00	......	2.26	......	9.19	......	3.40	......	1.60	......	3.72	......	3.02	......	3.57	......	......	......
Gaston Shoals	2.86	......	3.36	......	1.99	......	3.44	......	0.94	......	5.08	......	2.75	......	2.52	......	2.64	......	3.98	......	4.18	......	9.23	......	42.97	......
Greenville	1.79	−2.56	4.11	−1.22	2.41	−3.21	5.08	+1.44	1.36	−3.07	0.86	−4.49	3.64	−2.06	5.55	−0.51	2.40	−1.86	4.63	+1.70	3.95	+0.80	9.45	+4.95	45.23	− 9.53
Greenwood	2.48	−0.16	3.29	−1.59	2.21	−1.95	3.47	+0.47	0.29	−3.45	2.15	−2.56	3.80	−1.33	4.72	−0.67	2.88	−0.94	4.07	+1.29	4.55	+1.87	4.71	+0.24	32.85	−16.17
Heath Springs	2.84	−0.44	2.76	−1.64	2.97	−0.76	3.00	+0.09	0.89	−2.50	4.40	−1.31	4.46	+0.23	5.46	−0.97	2.97	−0.23	2.52	−0.12	3.07	+0.73	5.58	+1.44	40.92	− 5.14
Liberty	1.11	−3.60	4.42	−1.11	3.09	−2.13	5.29	+1.06	0.90	−3.41	1.08	−3.83	2.24	−3.71	3.52	−2.58	1.45	−3.11	6.51	+3.11	4.35	+1.68	10.32	+5.56	44.28	−12.27
Little Mountain	2.61	−0.47	4.48	−0.32	3.03	−0.88	2.80	−0.39	0.82	−2.14	4.47	−0.14	3.88	−0.91	3.89	−1.03	3.74	+0.82	2.46	−0.58	3.52	+1.06	4.14	+0.84	39.84	− 4.61
Meriwether	2.55	−0.43	3.29	−1.42	1.82	−2.91	1.97	−1.06	0.10	−2.59	3.46	−1.39	6.33	+1.58	5.72	+0.94	2.00	−1.17	3.20	+0.93	5.89	+3.54	3.86	−0.23	40.19	− 3.78
Monetta	2.88	......	3.78	......	2.75	......	1.98	......	0.37	......	2.74	......	6.28	......	3.86	......	4.27	......	3.24	......	3.34	......	4.44	......	39.93	......
Newberry	2.64	−1.50	4.07	−1.25	3.38	−1.21	2.86	−0.15	0.17	−3.00	3.13	−1.46	2.59	−2.46	3.91	−1.86	3.00	−1.04	2.33	−0.69	5.02	+2.07	6.02	+2.25	39.12	−10.16
Pelzer	1.58	......	3.91	......	2.44	......	3.34	......	0.58	......	2.18	......	5.92	+0.62	4.62	+0.13	2.04	−1.29	4.32	+1.11	4.48	+2.12	9.86	+4.84	45.27	− 5.29
Saluda	3.54	−0.33	4.62	−0.31	2.73	−1.62	1.75	−0.78	0.35	−2.37	1.54	−3.77	4.28	+0.02	4.20	−1.80	4.28	−1.06	4.34	+1.43	3.98	+1.22	3.97	−0.05	39.58	− 6.40
Santuck	2.79	−0.65	3.45	−1.56	2.25	−2.42	2.85	−0.45	0.47	−2.61	3.62	−0.63	4.32	−0.66	3.62	−2.31	2.37	−1.15	2.71	−0.57	4.35	+1.62	7.02	+2.87	39.82	− 8.44
Spartanburg	2.62	−1.09	3.72	−1.00	1.52	−3.42	3.42	+0.16	0.65	−3.53	2.61	−2.59	2.27	−2.21	4.92	+1.03	1.54	−2.26	4.71	+2.00	4.44	+1.71	10.69	+6.52	36.77	−13.70
Trenton	2.68	−1.31	3.06	−2.48	2.33	−2.21	2.08	−1.25	T.	−2.99	3.15	−1.60	7.79	+2.23	6.04	−0.46	3.83	+0.48	3.98	+0.68	......	......	......	......	......	......
Winnsboro	4.50	−1.23	4.45	+0.13	1.55	−2.47	0.65	−2.35	0.63	−2.60	6.05	+1.48	5.10	+0.39	4.11	−1.88	3.52	+0.03	2.30	−0.81	2.40	+0.31	3.70	+0.45	40.96	− 3.73
Winthrop College	3.25	+0.25	2.95	−1.45	1.77	−2.33	3.08	+0.07	1.06	−3.32	2.98	−2.57	9.03	+4.29	4.62	−1.50	2.62	−0.53	3.85	+1.14	3.10	+0.79	7.46	+3.07	40.39	− 7.13

The departures from the normal precipitation are computed only for such stations as have ten or more years of record.

T Precipitation is less than 0.1 inch of rain or melted snow.

Monthly and Annual Mean Temperatures for the Year 1914, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
EASTERN PORTION.																										
Allendale	48.6	+0.8	47.6	−0.6	52.7	−5.2	67.5	+3.7	74.4	+1.3	82.6	+3.3	81.8	+0.5	78.7	−1.8	.....	......	66.0	+1.2	54.0	−1.2	46.8	−0.8	.....	......
Beaufort	.....	......	.....	......	.....	......	.....	......	[g]72.0	−1.7	[c]80.6	+1.2	[c]80.2	−1.1	[a]78.9	−2.2	[a]73.2	−4.2	[b]67.6	0.0	[d]56.2	−2.5	49.0	−2.8	.....	......
Blackville	48.0	+0.9	47.5	+0.3	53.8	−4.5	67.7	+4.2	75.3	+1.8	83.4	+3.8	81.3	−0.4	80.2	−0.4	73.4	−2.4	66.4	+0.9	55.0	−0.5	46.4	−1.0	64.9	+0.3
Bowman	48.0	0.0	45.4	+2.3	50.7	−8.1	64.7	+0.5	73.0	+0.7	81.0	+3.3	79.0	−1.5	78.8	−0.7	71.2	−3.9	65.2	+1.1	53.8	−0.3	47.0	−0.1	63.3	−0.8
Charleston	50.0	+0.7	48.6	−3.1	51.2	−6.0	65.2	+1.4	72.5	+0.1	80.6	+2.1	81.0	−0.3	81.3	+1.0	74.4	−1.8	68.4	+1.3	57.0	−1.1	48.8	−0.7	64.9	+3.2
Cheraw	46.8	+3.6	42.1	−2.5	48.1	−6.0	61.8	+0.9	71.8	+1.2	80.3	+3.1	80.4	+0.5	79.5	+0.9	68.3	−5.2	63.9	+2.5	51.6	−0.5	41.8	−2.4	61.4	−0.3
Conway	[b]48.5	+0.5	45.1	−2.3	49.0	−8.4	63.2	+0.9	71.3	+0.4	79.8	+2.5	79.9	0.0	79.2	−0.1	70.8	−4.5	65.8	+0.7	[a]52.6	−1.6	[a]46.0	−2.1	62.6	−1.1
Darlington	45.8	+0.3	42.5	−2.2	48.7	−9.7	62.4	+0.8	72.0	+0.6	79.3	+2.5	80.1	+0.3	79.4	+0.6	71.0	−3.9	64.4	+1.1	[b]50.8	−1.6	43.1	−1.9	61.6	−1.0
Dillon	46.6	+1.1	44.4	−1.0	[c]49.6	−6.4	62.6	+1.5	71.8	+0.3	79.9	+2.6	80.6	+0.1	[a]79.0	−0.4	70.7	−4.4	62.4	+1.5	51.8	−1.1	44.2	−2.3	62.0	−0.9
Ferguson	49.1	+1.8	48.0	+0.4	51.0	−5.5	64.6	+2.6	71.8	+0.7	80.5	+3.6	80.4	+1.1	79.2	+1.0	[g]73.6	−0.6	66.8	+3.7	53.0	−2.2	46.9	−1.4	63.7	+0.4
Florence	46.2	+1.3	44.6	−1.1	49.4	−7.0	62.2	+0.3	72.3	+0.3	80.5	+2.1	80.6	−0.8	79.6	−0.8	71.2	−3.8	65.8	+2.5	52.7	−1.5	42.8	−2.2	62.3	−1.0
Georgetown	49.2	+0.8	45.3	−3.4	49.6	−8.7	65.4	+2.0	72.4	+0.2	81.8	+3.4	.....	......	.....	......	73.6	−2.4	68.2	+2.9	54.6	−1.5	48.0	−1.2	.....	......
Kingstree	47.6	+0.1	46.2	−1.5	51.0	−6.7	64.5	+2.1	72.1	−0.1	80.8	+2.7	80.6	0.0	80.1	+0.4	72.0	−3.3	66.4	+0.9	52.6	−2.2	45.8	−1.4	63.3	−0.7
Pinopolis	.....	......	46.4	−2.4	50.9	−6.3	65.2	+3.3	71.3	+0.5	79.3	+2.9	77.2	−1.3	77.6	−0.5	70.6	−3.7	66.3	+2.3	53.9	−0.8	46.6	−1.4	.....	......
St. George	.....	......	[l]43.0	−4.4	51.2	−7.1	65.6	+2.0	73.2	+0.2	[d]81.8	+3.3	80.6	−0.3	79.6	−0.4	[a]72.0	−3.3	66.4	+2.1	[a]53.4	−1.9	.....	......	.....	......
St. Matthews	48.0	+1.7	45.2	−0.7	50.1	−6.3	64.3	+1.8	73.0	+1.0	81.0	+3.3	80.0	0.0	78.8	−0.6	71.0	−3.7	65.9	+1.2	52.8	−1.7	43.7	−2.4	62.7	−0.7
Society Hill	46.9	+3.1	43.6	−0.8	49.4	−6.1	63.2	+1.5	72.3	+1.3	79.8	+2.8	80.2	+0.8	79.9	+1.5	70.6	−2.7	[a]64.3	+2.6	51.6	−0.7	41.7	−2.6	62.0	0.0
Summerville	48.8	+0.3	48.0	−0.8	51.8	−7.4	65.6	+2.4	72.2	+0.2	80.2	+3.0	79.8	−0.1	79.1	−0.1	72.2	−3.0	66.0	+1.1	54.6	−0.9	48.4	−0.3	63.9	−0.5
Walterboro	.....	......	49.0	−1.5	53.4	−8.1	[b]67.2	+2.2	[b]73.4	+0.9	81.5	+3.4	[b]80.6	+0.6	[a]80.2	−0.2	[c]73.8	−3.4	[b]67.0	+0.5	[a]55.4	−1.9	48.8	−1.6	.....	......
Yemassee	47.0	−0.9	46.8	−1.6	50.3	−8.3	64.4	+1.2	71.0	−2.1	80.0	+1.2	79.2	−1.9	78.7	−1.5	71.4	−4.4	65.6	+0.9	53.6	−1.6	47.2	−0.5	62.9	−1.7
WESTERN PORTION.																										
Aiken	48.0	+1.0	45.4	−1.6	52.6	−3.8	64.9	+1.5	70.9	−1.6	81.8	+3.3	80.4	−0.9	[a]78.5	−1.9	71.2	−5.8	64.9	−0.6	54.2	−0.4	43.2	−4.7	63.0	−1.3
Anderson	.....	......	42.6	−0.9	51.0	−2.4	63.8	+3.1	72.2	+2.2	82.8	+7.0	[i]80.4	−0.9	79.5	+1.6	72.4	−1.0	64.8	+2.8	52.6	+0.6	41.8	−2.3	.....	......
Batesburg	46.2	+0.8	45.3	+0.6	50.1	−5.3	63.1	+1.7	72.0	+0.5	80.6	+2.9	78.4	−1.4	77.3	−1.5	69.8	−4.2	63.6	+0.6	51.2	−2.3	40.6	−5.4	61.5	−1.1
Camden	48.0	......	46.8	......	50.3	......	62.4	......	72.0	......	79.6	......	79.8	......	77.2	......	71.4	......	64.7	......	52.7	......	44.0	......	62.4	......
Clemson College	45.1	+2.7	43.5	+1.0	49.4	−3.7	61.8	+2.6	69.5	+0.4	80.6	+5.0	78.4	−0.1	78.0	+0.2	70.4	−2.5	62.2	+0.9	49.4	−1.1	43.8	+1.1	61.0	+0.5
Columbia	47.7	+2.6	45.0	−2.8	51.2	−2.8	64.4	+1.6	73.2	+1.4	80.5	+2.3	80.2	−0.9	79.4	−0.1	71.0	−2.7	64.4	+0.4	53.3	−0.5	43.4	−0.5	62.8	−0.4
Greenville	43.0	+2.4	40.4	−0.1	46.6	−3.4	61.0	+3.8	69.8	+2.5	79.9	+6.5	78.2	+1.9	77.2	+1.3	69.7	−1.1	62.2	+1.9	48.8	−0.7	40.0	−1.2	59.7	+1.1
Greenwood	44.6	+2.3	42.7	+0.4	49.1	−4.5	62.7	+2.1	72.0	+0.6	82.2	+4.5	79.2	−0.9	77.7	−1.2	69.4	−4.1	61.4	−0.6	50.0	−1.7	40.1	−2.7	60.9	−0.5
Heath Springs	43.5	+0.5	40.1	−2.1	45.8	−8.6	59.6	−0.9	68.8	−2.1	78.2	+1.2	78.1	−2.5	77.0	−2.7	68.4	−5.8	62.4	+1.0	[e]50.2	−0.7	40.2	−2.0	59.4	−2.0
Liberty	44.5	+2.3	42.0	−0.3	49.0	−4.0	63.1	+3.1	71.6	+1.3	82.2	+5.9	79.6	+0.6	78.4	+0.7	71.5	−1.5	63.2	+2.5	48.8	−1.6	40.6	−2.2	61.2	+0.5
Little Mountain	47.2	+5.0	45.0	−0.2	51.8	−4.6	63.2	+1.4	73.8	+1.7	[b]82.8	+5.1	80.7	+0.3	79.2	−0.2	71.8	−3.3	64.1	0.0	53.4	−0.7	42.6	−3.1	63.0	−0.1
Meriwether	46.4	−0.3	45.7	−0.7	51.7	−5.6	65.0	+2.7	72.8	+2.2	83.0	+5.9	79.8	−0.5	80.1	+2.5	71.6	−3.6	[b]63.6	+0.3	52.6	−0.2	44.0	−2.4	63.0	0.0
Monetta	47.2	......	45.4	......	51.8	......	64.6	......	72.6	......	81.4	......	80.2	......	78.8	......	71.6	......	65.4	......	53.6	......	43.6	......	63.0	......
Newberry	45.0	+1.5	42.9	−0.9	50.6	−4.2	63.8	+2.7	72.2	−0.8	82.7	+5.1	80.8	+0.4	80.2	+1.0	71.2	−3.1	63.6	+1.2	51.1	−1.7	42.2	−2.8	62.2	0.0
Saluda	47.6	+2.4	44.9	−1.7	50.8	−7.1	64.2	+1.8	72.2	+0.7	82.8	+5.2	81.1	+0.7	80.1	+0.7	71.9	−2.7	63.4	+0.7	50.5	−2.7	43.2	−2.7	62.7	−0.4
Santuck	44.6	+1.7	42.4	−0.2	49.6	−4.2	64.2	+4.2	72.4	+1.7	81.1	+4.6	80.7	+1.2	79.4	+0.9	70.7	−2.8	63.4	+1.8	50.0	−1.2	41.4	−1.9	61.6	+0.4
Spartanburg	42.4	+0.9	39.9	−2.5	46.4	−5.5	60.6	+0.9	70.9	+0.8	81.0	+4.3	79.8	+0.4	78.8	+0.4	70.0	−2.6	62.0	+1.1	48.6	−2.4	39.3	−2.9	60.0	−0.6
Trenton	47.6	+1.3	46.3	+0.2	51.8	−7.0	62.8	+0.2	70.6	−1.9	83.0	+4.7	79.0	−1.5	78.6	−1.0	71.6	−3.9	[j]65.3	+1.0	.....	......	.....	......	.....	......
Winnsboro	45.0	+1.4	42.6	−2.8	48.3	−5.6	62.6	+1.6	72.5	+1.3	80.0	+2.5	79.2	−0.4	78.0	−0.2	69.8	−3.6	63.0	−0.4	51.5	−1.7	40.4	−5.2	61.6	−0.5
Winthrop College	44.4	+1.0	40.8	−2.1	47.7	−6.7	61.8	+1.4	71.2	+1.1	81.7	+6.1	81.4	+1.7	79.3	+0.7	70.2	−3.2	63.0	+1.2	51.0	−0.8	40.6	−2.7	61.1	−0.2

The departures from the normal temperature are computed only for such stations as have ten or more years of record.
Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.

Monthly Maximum Temperatures for the Year 1914, with Dates.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.
EASTERN PORTION.																								
Allendale	78	29	73	† 3	89	30	95	† 28	101	29	105	† 24	104	26	101	† 28	......	......	87	11	83	5	72	1
Beaufort	......	......	......	......	75	28	88	27	[g] 91	28	99	24	[b] 96	26	91	† 26	[a] 90	3	[b] 84	13	[d] 83	6	71	25
Blackville	80	29	76	3	91	30	98	† 28	105	29	108	25	107	26	98	13	101	8	92	11	86	5	73	1
Bowman	79	29	73	5	88	30	94	29	98	29	104	† 24	102	26	96	27	95	8	89	12	85	6	73	1
Charleston	72	10	69	19	76	29	88	27	94	29	101	24	96	25	95	27	92	8	84	11	79	5	68	25
Cheraw	76	† 29	72	4	83	30	94	29	100	28	103	24	104	26	97	25	96	8	85	† 10	78	† 3	65	1
Conway	75	† 29	75	19	84	30	92	29	94	28	103	24	102	† 25	94	27	94	8	86	11	[a] 81	3	[a] 69	1
Darlington	77	29	74	5	84	30	94	29	100	28	103	† 24	[a] 106	† 24	97	26	[a] 98	8	86	11	[b] 84	5	67	1
Dillon	77	30	78	3	83	30	92	29	98	28	102	† 23	104	26	97	26	[a] 97	8	86	11	82	3	69	1
Ferguson	80	31	75	4	86	30	91	† 28	97	29	100	24	100	26	97	27	[g] 100	8	87	11	83	5	72	25
Florence	74	30	72	4	84	30	93	29	100	29	104	24	106	26	100	27	100	8	88	13	81	8	70	2
Georgetown	78	† 29	71	3	80	29	90	29	95	23	102	24	103	25	98	26	95	† 3	88	11	84	4	80	1
Kingstree	79	29	74	19	82	30	94	† 28	98	29	103	25	103	26	95	† 24	95	8	89	10	82	3	77	1
Pinopolis	......	......	70	4	76	† 28	86	† 27	90	29	96	† 24	93	25	92	27	90	8	82	12	78	8	70	† 1
St. George	......	......	73	19	87	30	95	28	100	29	105	† 24	103	26	98	27	[a] 97	8	89	11	[a] 86	5	......	......
St. Matthews	77	29	75	5	87	30	94	† 28	98	† 28	106	† 24	105	26	96	† 26	97	8	88	† 11	85	5	69	1
Society Hill	77	29	72	3	85	29	95	28	101	27	103	23	105	† 23	98	24	99	7	88	† 10	83	† 2	62	1
Summerville	77	† 29	74	19	85	30	91	28	98	29	102	25	100	26	94	27	93	1	83	13	79	5	75	25
Walterboro	81	29	78	3	88	30	[a] 95	28	[b] 99	29	104	24	[b] 102	26	96	27	[b] 96	† 7	[b] 89	11	[a] 85	5	76	25
Yemassee	79	29	76	19	87	30	92	28	99	29	102	24	101	26	95	27	94	8	87	† 11	82	5	76	25
WESTERN PORTION.																								
Aiken	75	29	72	5	87	30	92	29	99	28	104	† 24	103	26	95	28	96	8	87	11	81	5	69	1
Anderson	72	28	71	4	83	17	93	† 27	101	28	106	25	103	25	98	22	98	2	87	11	84	5	69	2
Batesburg	74	29	73	3	83	† 29	92	28	97	29	101	† 24	101	26	92	† 23	95	1	86	11	80	† 3	67	1
Camden	78	28	73	5	85	30	92	† 29	98	28	102	24	105	26	94	† 12	92	† 1	86	11	82	5	68	1
Clemson College	68	30	67	4	77	28	85	28	92	28	98	† 25	96	1	89	† 21	89	2	80	11	75	5	68	2
Columbia	74	28	72	4	84	30	92	28	99	28	103	24	102	26	94	26	94	7	86	11	81	5	68	1
Greenville	74	29	71	4	80	28	90	† 27	96	28	100	25	99	25	92	† 12	91	7	84	11	81	5	73	2
Greenwood	71	28	71	4	84	30	94	28	99	28	105	25	103	26	92	† 25	94	8	83	11	79	5	66	1
Heath Springs	70	29	67	4	78	30	90	29	97	28	100	† 23	101	26	93	24	93	7	83	† 9	78	† 2	65	† 1
Liberty	70	28	69	3	81	28	92	28	100	28	103	25	101	27	95	† 19	96	8	84	11	78	† 2	71	2
Little Mountain	73	28	71	4	85	29	92	28	100	28	104	† 24	105	26	94	† 22	96	† 7	85	11	80	5	69	2
Meriwether	74	29	72	4	[d] 86	† 29	94	28	102	29	105	† 24	105	26	97	27	98	† 7	[b] 89	11	82	5	70	† 1
Monetta	74	† 28	73	4	85	30	92	† 28	97	† 24	104	25	103	26	96	23	94	7	85	† 8	81	5	68	2
Newberry	73	30	70	4	84	29	94	20	100	28	106	† 24	104	26	98	24	97	† 2	87	11	82	5	71	† 1
Saluda	75	30	72	4	85	30	98	26	101	28	106	25	105	† 24	98	26	100	7	88	11	82	5	70	2
Santuck	72	30	68	4	84	28	97	28	105	28	106	25	105	† 25	97	† 19	97	† 2	85	11	79	† 4	70	2
Spartanburg	72	28	71	4	80	29	92	† 27	101	28	105	25	105	26	95	† 14	97	7	86	11	81	4	68	2
Trenton	77	30	78	4	86	30	91	28	101	29	106	25	102	26	94	31	96	7	[j] 85	13	......	......	......	......
Winnsboro	71	† 28	73	5	80	29	91	28	98	28	100	† 24	102	26	92	† 12	93	7	82	† 10	78	† 3	68	† 1
Winthrop College	70	28	68	4	75	28	94	† 27	99	28	105	24	107	† 25	98	21	96	7	84	11	79	† 3	65	1

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.
† On other dates also.

WEATHER BY MONTHS.—*Continued.*

(CONTINUED FROM PAGE 100.)

Spring.—Mean temperature, 62.0°, or 0.9° below the normal determined for 28 years. Average total precipitation, 6.28 inches, or 3.90 inches below the 28-year normal.

June.—June was the warmest month of the name on record. Excepting a moderate cool period from the 16th to the 19th, the daily mean temperatures ranged uniformly above the average, culminating in record-breaking heat on the 24th and 25th, when maximum readings of 100° to 108° were recorded generally throughout the Section. On the whole, the frequent showers that occurred up to the last decade were decidedly beneficial to agricultural interests.

July.—Thermal conditions ranged near the seasonal average during July, except excessive heat throughout the Section between the 23d and 27th and abnormally cool weather at the close of the month. Precipitation was somewhat below normal and only fairly distributed as to area. The 6th and 7th of July were marked by probably the most extensive and destructive thundershowers and hailstorms that ever visited the plantations of South Carolina, entailing a loss approximated at $955,000 on crops of 51,000 acres in Anderson, Laurens, Spartanburg, Cherokee and York counties. Of this amount, York County is estimated to have lost $730,000 on about 40,000 acres, the hail belt embracing an area 5 by 25 miles, with center of greatest energy to the northward of Rock Hill.

August.—The weather was generally seasonable during August, except excessive rains during the first half of the month at many points on the coastal plain and considerably less than the normal amount of rainfall in the upper drainage areas of the Santee and Savannah river districts. In consequence of plentiful rains during the early part of the month, much of the damage resulting from excessive heat during the latter part of July was repaired, and the condition of all crops showed much improvement.

Summer.—Mean temperature, 80.0°, or 1.2° above the normal determined for 28 years. Total precipitation averaged 14.84 inches, or 1.69 inches below the 28-year normal.

September.—The weather during September was considerably cooler than usual, incident to the prevailing low temperatures during the periods, 9th to 16th and 25th to 29th, when the daily means ranged 6° to 13° below normal. A noteworthy feature

Monthly Minimum Temperatures for the Year 1914, with Dates.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.
EASTERN PORTION.																								
Allendale	24	14	22	25	22	1	38	10	49	10	61	19	62	23	65	1	......	......	33	29	21	20	22	16
Beaufort	.....	.....	.....	.....	24	2	42	10	g 54	1	65	19	c 66	31	65	† 1	a 58	† 11	b 40	28	d 25	20	26	17
Blackville	20	14	19	26	19	2	36	10	45	10	60	19	59	30	63	1	46	28	31	28	20	21	19	16
Bowman	19	14	20	26	19	2	36	10	45	10	60	18	59	23	63	3	44	28	30	† 28	18	21	18	† 16
Charleston	33	5	26	25	24	2	43	10	55	9	66	19	69	30	71	5	57	26	40	28	27	21	28	17
Cheraw	23	14	20	† 17	20	2	33	10	44	† 19	57	18	60	† 21	62	1	43	27	28	29	18	21	16	16
Conway	25	14	23	† 17	23	2	37	10	47	† 2	60	3	53	22	57	1	48	11	32	28	a 23	† 21	a 19	16
Darlington	b 21	13	14	27	19	2	33	10	44	19	56	† 17	55	31	63	† 2	43	† 11	28	28	a 20	† 21	14	16
Dillon	24	† 11	20	† 17	20	† 1	36	10	46	† 3	58	17	a 56	30	a 57	1	44	27	30	28	20	21	19	16
Ferguson	28	12	25	27	23	2	38	11	50	2	62	† 17	61	23	62	17	47	11	32	† 29	23	21	25	16
Florence	26	14	20	27	20	2	35	10	42	3	56	19	57	31	58	1	47	27	31	28	22	21	19	16
Georgetown	27	12	22	† 25	16	2	39	10	49	10	62	† 4	......	......	......	......	51	† 11	33	† 28	26	20	21	16
Kingstree	23	19	20	26	24	† 2	37	10	47	10	56	2	59	† 30	61	† 1	46	11	32	† 28	23	21	19	† 16
Pinopolis	.....	.....	25	25	24	2	44	10	54	10	67	17	64	31	70	6	56	† 26	36	† 27	30	† 20	25	16
St. George	.....	.....	l 22	26	21	2	38	10	46	10	60	2	59	30	64	1	a 44	† 11	30	29	21	21	.....	.....
St. Matthews	27	14	19	26	18	2	35	10	43	3	60	19	59	30	61	† 1	46	28	30	28	21	21	17	16
Society Hill	23	13	20	† 21	19	1	32	9	44	18	57	† 16	56	30	62	30	43	28	28	28	18	20	13	15
Summerville	24	14	23	25	22	2	40	† 10	47	10	62	18	61	30	64	1	50	† 11	34	28	23	21	21	17
Walterboro	.....	.....	24	17	22	2	b 39	10	b 47	10	59	4	b 61	† 23	a 66	† 1	c 51	† 26	b 32	28	a 22	21	22	† 16
Yemassee	20	14	23	26	21	2	38	10	45	10	61	† 18	59	23	62	1	44	11	29	29	21	21	20	17
WESTERN PORTION.																								
Aiken	25	† 12	20	† 25	18	2	36	† 9	49	9	59	† 18	60	31	a 65	1	50	† 9	32	28	18	20	19	16
Anderson	25	12	k 19	26	18	2	37	21	49	10	57	19	i 60	31	60	1	50	26	31	28	20	20	16	15
Batesburg	25	7	20	26	17	2	33	10	50	9	59	19	58	31	62	1	50	† 26	30	28	19	20	18	16
Camden	20	13	24	25	25	† 13	38	† 10	43	21	52	19	60	31	61	1	50	11	32	29	24	† 21	19	† 16
Clemson College	20	12	18	26	20	3	36	21	46	10	60	17	63	31	62	6	47	† 26	29	28	20	† 21	11	15
Columbia	27	12	21	25	21	2	37	10	52	1	60	18	61	31	67	1	51	26	34	28	22	21	20	17
Greenville	22	22	20	† 8	16	2	36	21	47	2	54	19	53	31	61	† 1	44	27	27	28	17	21	15	† 15
Greenwood	22	14	20	26	18	2	38	† 10	48	16	59	19	60	† 30	60	1	47	27	29	28	20	20	16	16
Heath Springs	25	† 12	18	26	17	2	30	10	44	2	58	19	56	31	56	1	48	† 10	28	† 28	e 19	25	17	16
Liberty	22	14	16	26	17	2	38	11	44	10	d 54	19	60	31	62	6	43	27	26	28	17	21	14	15
Little Mountain	26	12	20	† 25	19	2	35	10	50	1	58	13	60	† 28	67	† 3	50	26	32	28	22	21	18	16
Meriwether	18	14	20	26	c 19	2	35	10	43	10	59	18	60	30	66	† 6	47	27	b 29	28	19	20	17	16
Monetta	25	12	20	† 25	19	2	36	10	48	10	59	19	60	31	66	† 1	50	27	31	28	21	† 20	20	16
Newberry	23	† 12	21	† 25	20	2	36	10	46	10	60	19	59	31	66	† 1	46	27	29	28	20	21	18	16
Saluda	21	14	20	† 25	20	2	35	† 10	42	10	60	† 18	57	30	a 65	† 1	43	27	28	28	20	† 21	15	16
Santuck	21	12	20	26	18	2	30	10	46	2	55	6	57	31	64	1	46	27	28	28	18	21	16	16
Spartanburg	22	14	18	14	12	2	36	† 10	46	3	55	19	58	31	60	1	46	27	28	† 28	19	† 20	15	15
Trenton	25	12	20	† 25	19	2	37	13	51	† 8	50	18	61	† 16	65	1	51	27	j 32	28	.....	......	.....	.....
Winnsboro	24	14	19	26	17	2	33	10	48	1	58	† 18	62	14	65	† 5	50	† 13	30	28	22	20	15	16
Winthrop College	24	14	19	† 13	18	2	34	10	45	2	57	18	56	7	63	1	46	27	28	28	19	21	15	16

Reference letters (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.
† On other dates also.

of the month was the sustained semi-drought over the Piedmont as against abundant rainfall on the coastal plain, particularly in the northern coast districts.

October.—Ideal weather prevailed during October, except short periods during the first and last decades, when the daily mean temperatures were decidedly below normal. Field operations were delayed by surplus rainfall during the first week of the month, and the prevailing cool weather and cloudiness were unfavorable for good crop development. At the same time rain was still needed in the northwestern counties. The last four days of the month were marked by light to killing frosts throughout the Section, which checked all growth, with late-planted cotton fairly matured. Heavy rains in the Catawba basin on the 16th were followed by moderate floods in the lower rivers between the 17th and 23d. The losses were nominal, while the value of movable property saved by timely warnings was estimated at $6,600.

November.—November was a month of quite rapid temperature changes, with a mean below the seasonal average. During the 20th and 21st the temperatures fell to near the lowest of record at a number of stations, with freezing to the coast. While there was considerable sunshine, the precipitation was above normal.

Autumn.—Mean temperature, 62.8°, or 0.9° below the normal determined for 28 years. Average total precipitation, 10.40 inches, or 0.89 inch above the 28-year normal.

December.—Sustained cold weather after the first few days, accompanied by record-breaking cloudiness, with frequent cold rains and comparatively little sunshine, has placed the closing month of the year well down in the group of unseasonable, disagreeable and gloomy Decembers. Precipitation was much above the average over the higher elevations of the Section, particularly over the northwestern tier of counties, Clemson College reporting the highest total of record for December. Heavy rains during the first week and last decade were followed by freshets in the Pee Dee and Santee river districts, entailing unavoidable losses estimated at $10,835, while approximately $53,200 worth of movable property was saved by timely flood warnings of the Weather Bureau.

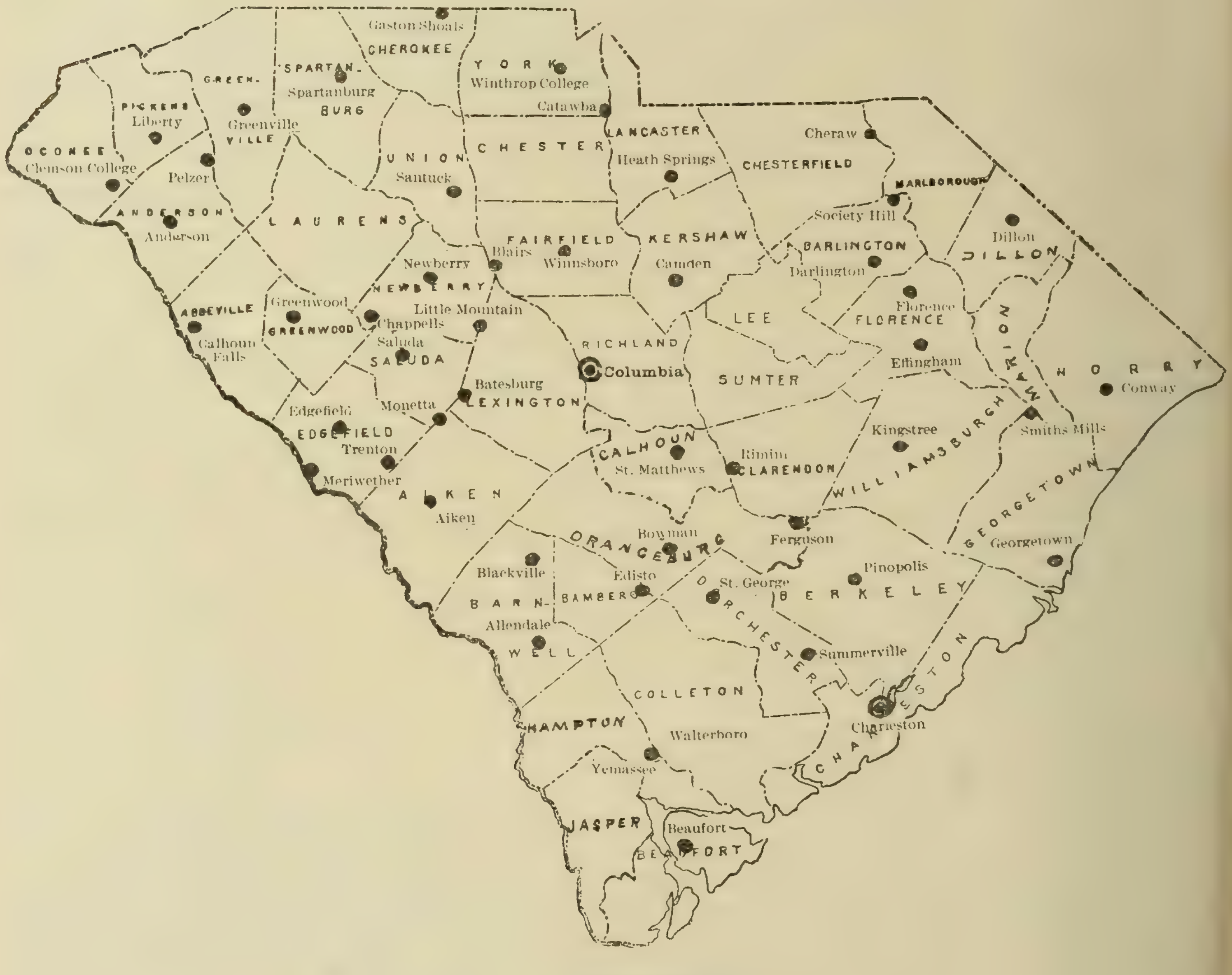
Errata.

JANUARY (page 3). Precipitation text, second line, 0.76 should be 0.66

JULY (page 51). Miscellaneous phenomena text, earthquake 14th, 2:03 a. m., should be 3.00 a. m.

ANNUAL, 1912. Monetta (page 9), precipitation for May should be 3.55

MAP SHOWING LOCATION OF OBSERVATION STATIONS.

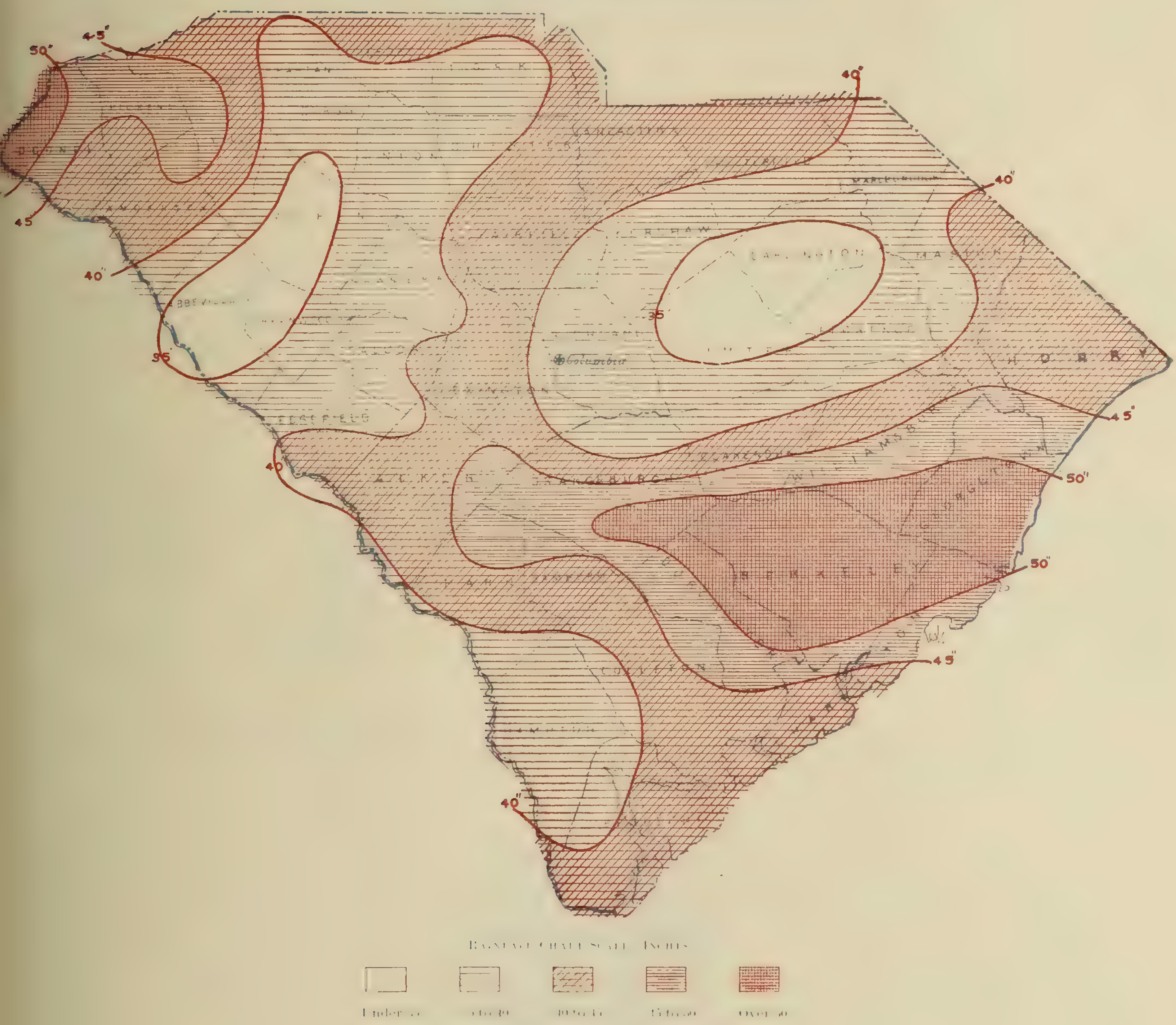


KEY TO SYMBOLS.

◉ Meteorological observations. (Regular Weather Bureau stations)

● Meteorological observations. (Sub stations.)

TOTAL PRECIPITATION FOR THE YEAR OF 1914.



COOPERATIVE STATIONS AND OBSERVERS.

Station.	Observer.	Station.	Observer.	Station.	Observer.
Aiken	W. M. Brown.	Edgefield	T. L. Timmerman.	Pinopolis	Miss E. P. Ravenel.
Allendale ‖	H. G. Harris.	Ferguson	J. P. Simons.	St. George ‖	Dr. Geo. N. Snelling.
Anderson	H. H. Russell.	Florence ‖	H. K. Gilbert.	St. Matthews ‖	J. S. Wannamaker.
Batesburg ‖	E. J. Hite.	Gaston Shoals	H. A. Parshall.	Saluda	Mrs. F. V. J. Maxwell.
Beaufort	Miss Lillian H. Rice.	Georgetown	A. P. Hazard.	Santuck	E. W. Jeter.
Blackville ‖	Mrs. D. B. Sanders.	Greenville ‖	Spartan Goodlette.	Society Hill	Rev. T. Ellison Simpson.
Bowman	B. O. Evans.	Greenwood ‖	M. M. Calhoun.	Spartanburg ‖	F. P. Robinson.
Camden	W. C. Brown.	Heath Springs	J. Marvin Bowers.	Summerville	Miss E. H. Gadsden.
Charleston ‖	U. S. Weather Bureau.	Kingstree ‖	A. O. Matthews.	Sumter	D. L. Wanamaker.
Cheraw ‖	J. H. Powe.	Liberty	J. T. Boggs.	Trenton	C. A. Long.
Clemson College	Prof. F. H. H. Calhoun.	Little Mountain	J. M. Sease, M. D.	Walterboro	J. A. Westerberg.
Columbia	U. S. Weather Bureau.	Meriwether	Wm. S. Middleton.	Winnsboro	J. W. Seigler.
Conway	P. C. Quattlebaum.	Monetta	Joe M. Johnson.	Winthrop College	W. P. Goodman.
Darlington	D. C. McCall.	Newberry	W. G. Peterson.	Yemassee ‖	J. G. Hutson.
Dillon	A. E. Rowell.				

‖ Also Cotton Region station in season.

RIVER AND RAINFALL STATIONS AND OBSERVERS.

Station.	Watershed.	Observer.	Station.	Watershed.	Observer.
Anderson†	Savannah	H. H. Russell.	Edisto	Edisto	Nathan Jenkins.
Blairs	Broad	J. N. Owens.	Effingham	Lynches	H. B. McCall.
Calhoun Falls	Savannah	L. M. Parker.	Ferguson	Santee	J. P. Simons.
Camden	Wateree	W. C. Brown.	Gaston Shoals†	Broad	H. A. Parshall.
Catawba	Catawba	J. C. Faris.	Kingstree	Black	A. O. Matthews.
Chappells	Saluda	J. J. Murran.	Pelzer	Saluda	J. Y. Jones.
Cheraw	Pee Dee	J. H. Powe.	Pinopolis†	Cooper	Miss E. P. Ravenel.
Columbia	Congaree	Lemuel Hall.	Rimini	Santee	W. B. Wolfe.
Conway	Waccamaw	P. C. Quattlebaum.	Smiths Mills	Pee Dee	W. G. Walker.
Edgefield†	Savannah	T. L. Timmerman.	Spartanburg†	Broad	F. P. Robinson.

† Special rainfall reports only.

FORECAST DISTRIBUTION.

Station.	County.	Distributer.	Station.	County.	Distributer.
Abbeville—2	Abbeville	Abbeville Telephone Co.	Georgetown—2†	Georgetown	A. P. Hazzard.
Aiken—1	Aiken	So. Bell Telep. & Teleg. Co.	Greenville—11	Greenville	So. Bell Telep. & Teleg. Co.
Belton—2*	Anderson	Postmaster.	Greenwood—1*†	Greenwood	M. M. Calhoun.
Bennettsville—5	Marlboro	So. Bell Telep. & Teleg. Co.	Johnston—2	Edgefield	So. Bell Telep. & Teleg. Co.
Blackville—5	Barnwell	So. Bell Telep. & Teleg. Co.	Kershaw—1	Lancaster	Kershaw Telephone Co.
Burton—1	Beaufort	Bacon & Co.	McCormick—2*	Abbeville	Postmaster.
Camden—1	Kershaw	So. Bell Telep. & Teleg. Co.	Marion—5	Marion	So. Bell Telep. & Teleg. Co.
Charleston—3*	Charleston	U. S. Weather Bureau.	Newberry—2	Newberry	So. Bell Telep. & Teleg. Co.
Chester—1	Chester	Chester Telephone Co.	Orangeburg—1	Orangeburg	So. Bell Telep. & Teleg. Co.
Clinton—6	Laurens	So. Bell Telep. & Teleg. Co.	Orangeburg†	Orangeburg	State A. & M. College.
Clover—1†	York	W. T. Rankin.	Rock Hill—2*	York	Chief of Police.
Columbia—9*	Richland	U. S. Weather Bureau.	Spartanburg—3*	Spartanburg	Postmaster.
Darlington—3	Darlington	So. Bell Telep. & Teleg. Co.	Trenton—1	Edgefield	Trenton Telephone Co.
Florence—2	Florence	So. Bell Telep. & Teleg. Co.	Westminster—1*	Oconee	Postmaster.
Fort Mill—1	York	Fort Mill Telephone Co.	Woodruff—1	Spartanburg	Home Telephone Co.

* Cards by mail. † Flag display.

NOTE.—Figures following names of stations indicate number of local or subsidiary exchanges through which daily forecasts of the Weather Bureau are available free of cost to patrons, by cooperation with the Southern Bell Telephone & Telegraph Company, or 77 in all, representing about 30,000 subscribers. This information can be obtained by simply calling "Information" about 11 o'clock each morning, except Sundays and holidays.

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WEATHER BUREAU
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CLIMATOLOGICAL DATA

SOUTH CAROLINA SECTION

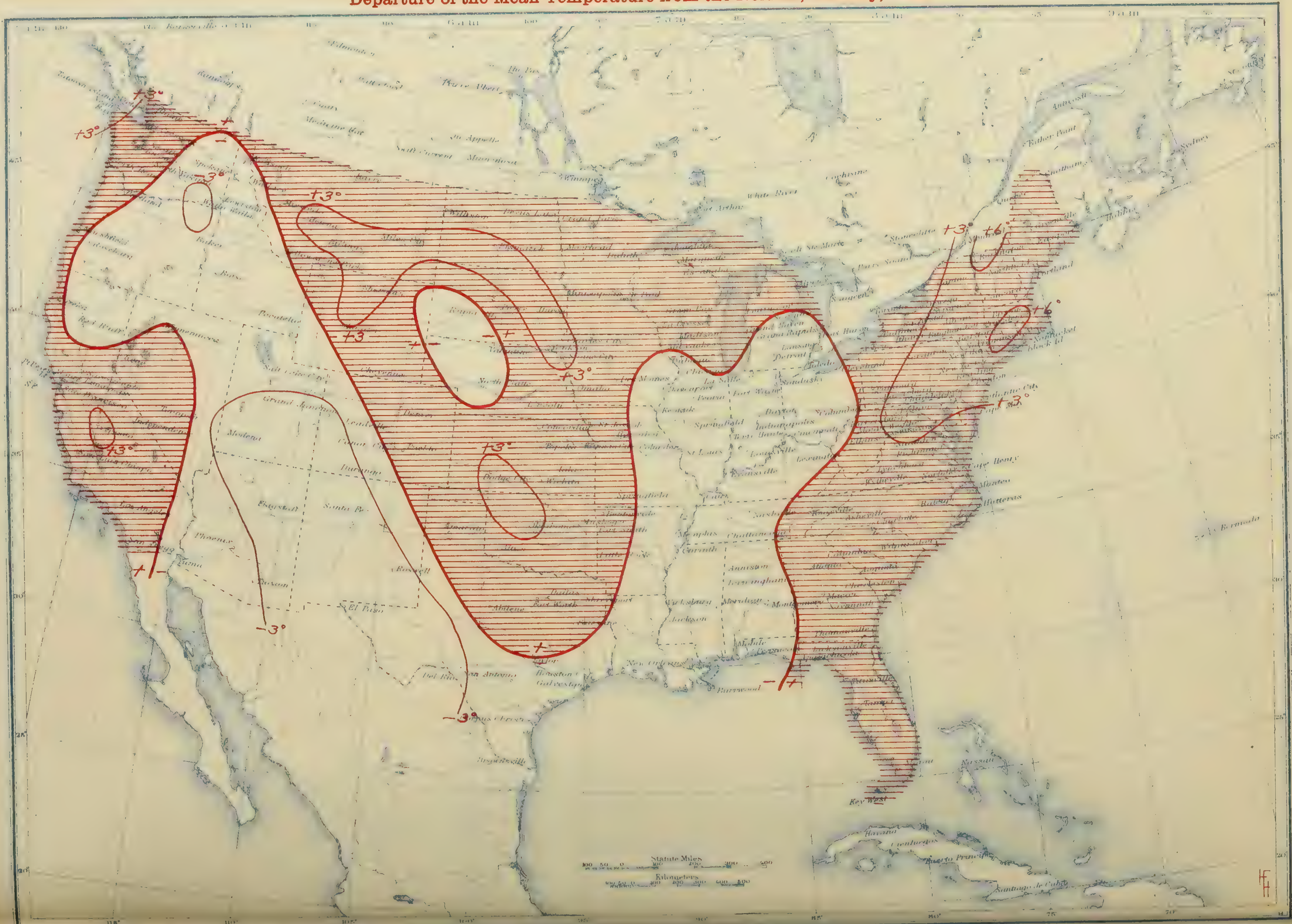
JANUARY, 1915

BY

RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
March 3, 1915.

Departure of the Mean Temperature from the Normal, January, 1915.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

VOL. XVIII. COLUMBIA, S. C., JANUARY, 1915. No. 1.

GENERAL SUMMARY.

January was a wet month, with much cloudiness and comparatively little sunshine. As a result of frequent rains and lack of drying weather during intervening periods, the ground continued in unfavorable condition for field operations, and the month closed with much outdoor work still to be done. Thermal conditions were near the seasonal average, with no marked extremes of temperature.

The rains in the upper watersheds about the 6th, 12th and 18th were followed by freshets and moderate floods in the several rivers of the Section, attended by unavoidable losses estimated at $18,386, while movable property approximating a value of $79,000 was saved by timely flood warnings of the Weather Bureau.

The snowfall and sleet of the month occurred in the upper counties, the former on the 20th and the latter on the 11th, 12th, 24th and 25th.

PRESSURE

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.10 inches. The highest pressure in the region covered by reports was 30.59 inches at Wilmington, N. C., on the 22d; highest in the Section proper, 30.52 inches at Columbia on the same date; lowest, 29.26 inches at Wilmington, N. C., on the 12th, and in the Section proper, 29.43 inches at Charleston on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 39 stations, was 45.1°, or 0.3° below the established normal. The highest temperature was 76° at Yamassee, Hampton County, on the 7th. The lowest temperature was 19° at Greenville, Greenville County, on the 21st. The warmest periods of the month were from the 6th to the 8th at many stations throughout the Section, between the 15th and 19th over the western portion and on the 31st generally over the eastern portion. The coldest periods were on tho 21st and 22nd throughout the Section and between the 1st and the 3d over the eastern portion.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations, was as follows: 8 a. m., 82 per cent; 8 p. m., 71 per cent.

PRECIPITATION.

The average for the Section, 49 stations reporting, was 6.31 inches, or 2.89 inches above the established normal. There were four periods of precipitation, each separated by intervals of 3 to 5 days. Excepting small areas embracing portions of Aiken, Lee and Darlington counties, the rainfall was abundant and well distributed. On the northern coastal plain and the higher elevations of the extreme northwestern counties the total monthly amounts ranged from 7 to over 9 inches, while in the excepted districts the amounts were less than 4 inches. The greatest local monthly amount was 9.53 inches at Georgetown, Georgetown County; least amount, 3.15 inches at Darlington, Darlington County. The greatest local amount during any 24 hours was 3.44 inches at Bowman, Orangeburg County, on the 18th. The average number of days with measurable precipitation was somewhat above normal.

Snowfall in measurable quantities was recorded at points in Pickins, York and Lancaster counties on the 20th.

WIND.

The prevailing winds were from the northeast. The average hourly velocity, determined from 7 automatic records, was 8.3 miles. The highest average velocity in the region covered by reports was 10.6 miles per hour at Savannah, Ga., and the lowest average, 6.0 miles per hour at Augusta, Ga. In the Section proper the averages were 6.9 miles per hour at Columbia and 10.2 miles per hour at Charleston. The highest velocity for any 5-minute period was 42 miles per hour from the west at Savannah, Ga., on the 12th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 151.6 hours, or 42 per cent of the possible amount. The average number of clear days was 12; partly cloudy, 6, and cloudy, 13, as against normals of 13, 8 and 10 days, respectively.

RIVER CONDITIONS.

Periodical rains during the first and second decades were followed by freshets and floods in the several rivers as indicated below:

Stations.	Watersheds.	Flood stage.	Highest stage.	Date.	Flood dates—Number.
Blairs	Broad	14	17.0	8	3
Camden	Wateree	24	30.3	8	7
Catawba	Catawba	11	16.3	8	3
Chappells	Saluda	14	16.5	8	6
Cheraw	Pee Dee	27	31.9	9	6
Columbia	Congaree	15	17.4	8	3
Conway	Waccamaw	7	8.6	31	7
Edisto	Edisto	6	6.0	† 21	2
Effingham	Lynches	14	13.6	25	0
Ferguson	Santee	12	14.6	25	31
Kingstree	Black	12	12.2	† 21	3
Pelzer	Saluda	7	8.0	19	2
Rimini	Santee	12	18.7	23	31
Smiths Mills	Pee Dee	14	16.3	27	25

† Other dates.

Reports received thus far indicate an unavoidable loss from floods of $18,386, and movable property approximating a value of $79,000 is reported as having been saved by timely warnings of the Weather Bureau.

MISCELLANEOUS PHENOMENA.

Fogs, dense (dates).—Calhoun Falls, 24, 25; Charleston, 7, 8, 24, 25; Clemson College, 13, 15; Columbia, 11, 23; Gaston Shoals, 7, 15, 29; Liberty, 7, 12, 15; Monetta, 6, 11, 24; Rimini, 30; Santuck, 15.

Halos (dates).—*Lunar:* Charleston, 3, 23 26, 27, 28; Columbia, 23; Little Mountain, 23; Santuck, 4. *Solar:* Charleston, 3, 13; Columbia, 3, 4, 10; Liberty, 10; Santuck, 3, 4, 10, 27.

Thunderstorm (dates).—Camden, 1; Columbia, Ferguson, Kingstree, Little Mountain, Monetta, Santuck, Smiths Mills and Walterboro, 6; Darlington, 7; Charleston, 6, 17; Bowman and Summerville, 6, 18; Liberty and Rimini, 18.

Climatological Data for January, 1915.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on (0.01 in. or more)	Clear.	Part cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	26	46.6	−1.1	71	31	27	†21	37	5.69	+2.84	2.00	0	8	10	5	16	e.	H. G. Harris.
Beaufort	Beaufort	21	28	[a]50.4	−0.4	66	†23	32	†22	29	5.59	+2.74	2.25	0	7	14	7	10	ne.	Miss Lillian H. Rice.
Blackville	Barnwell	296	26	46.9	−0.2	70	16	25	†21	42	5.63	+2.73	1.44	0	10	11	8	12	......	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	12	47.3	−0.7	70	31	24	1	38	8.06	+4.94	3.44	0	9	17	6	7	w.	B. O. Evans.
Charleston	Charleston	48	44	49.7	+0.4	67	31	32	21	24	7.44	+3.99	1.95	0	12	12	3	16	ne.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	25	44.0	+0.7	66	15	22	22	30	4.76	+1.94	1.10	0	10					J. H. Powe.
Conway	Horry	25	29	46.7	−1.3	71	31	25	2	32	8.08	+4.67	1.80	0	9					Paul Quattlebaum.
Darlington	Darlington	175	19	44.2	−1.4	68	15	22	22	38	3.15	+0.65	0.90	0	10	15	1	15	......	D. C. McCall.
Dillon	Dillon	100	11	46.8	−1.0	71	†6	25	†2	42	7.70	+4.83	2.00	0	9					A. E. Rowell.
Edisto ‡‡	Bamberg	143	27								6.59	+3.52	1.70	0	9					Nathan Jenkins.
Effingham	Florence	106	22								5.86	+2.72	2.00	0	8					H. B. McCall.
Ferguson	Orangeburg	63	29	46.6	−0.7	74	31	23	29	44	8.87	+5.48	2.45	0	8					Joseph P. Simons.
Florence	Florence	136	26	43.6	−1.4	64	6	25	22	41	6.03	+3.29	1.65	0	7					H. K. Gilbert.
Georgetown	Georgetown	12	20	48.5	+0.1	72	31	27	†3	42	9.53	+6.01	1.85	0	9	12	8	10	n.	A. P. Hazard.
Kingstree	Williamsburg	54	26	47.6	−0.1	70	31	25	22	37	8.39	+5.42	3.03	0	8	16	1	14	ne.	A. O. Matthews.
Pinopolis **	Berkeley	54	21	48.7	+1.4	64	8	30	22	.....	8.09	+5.01	2.60	0	8	15	3	13	ne.	Miss E. P. Ravenel.
Rimini	Clarendon	97	5								6.02	....	1.39	0	9					William B. Wolfe.
St. George	Dorchester	109	26																	Geo. N. Snelling, M. D.
St. Matthews	Calhoun	269	26	46.9	−1.6	69	16	24	†21	36	5.18	+1.89	1.20	0	9	3	14	14	s.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	19								7.59	+4.80	1.70	0	10					W. G. Walker.
Society Hill	Darlington	192	23	44.9	+1.0	71	31	20	21	35	5.64	+2.73	1.75	0	9	8	14	9	nw.	Rev. T. Ellison Simpson
Summerville	Dorchester	75	17	48.4	−0.7	72	31	26	†2	41	7.71	+4.61	1.95	0	12	7	13	11	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	12	[b]51.3	+0.2	[b]72	31	[b]25	22	[b]46	6.51	+3.48	1.83	0	11	14	3	14	......	J. A. Westerberg.
Yemassee	Hampton	24	19	47.0	−0.9	76	7	25	†3	41	5.27	+2.48	1.32	0	9	13	4	14	ne.	J. G. Hutson.
Division means and extremes				47.2	−0.4	76	7	20	21	46	6.67	+3.67	3.44	0	9	12	6	13	ne.	
Western Portion.																				
Aiken	Aiken	527	20	45.6	−1.4	68	31	22	21	39	3.95	+0.36	0.80	0	8	14	6	11	ne.	W. M. Brown.
Anderson	Anderson	764	13	43.0	+0.1	68	7	22	21	38	5.29	+1.18	1.57	0	10	12	3	16	w.	H. H. Russell.
Batesburg	Lexington	656	26	43.8	−1.7	65	16	23	21	33	6.08	+2.90	2.01	0	8	12	9	10	se.	E. J. Hite.
Blairs	Fairfield	293	11								6.00	....	1.36	0	8					J. N. Owens.
Calhoun Falls	Abbeville	508	22								5.23	+1.41	0.93	0	8					L. M. Parker.
Camden	Kershaw	222	48	45.0	......	66	16	25	29	35	5.37	+2.20	1.24	0	9	13	7	11	ne.	W. C. Brown.
Catawba	York	562	9								6.77	....	2.01	0.4	10					James C. Faris.
Chappells	Newberry	402	11								5.72	....	1.37	0	8					J. J. Murran.
Clemson College	Oconee	850	23	42.9	+0.9	64	18	22	5	36	6.97	+2.42	2.50	0	4	13	5	13	sw.	Prof. F. H. H. Calhoun
Columbia	Richland	351	28	45.4	+0.3	65	6	27	21	28	6.02	+2.73	1.70	0	10	13	4	14	ne.	U. S. Weather Bureau.
Edgefield	Edgefield	.....	1								5 37	....	1.49	0	8					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	2								5.83	....	1.67	T.	10					Harry A. Parshall.
Greenville	Greenville	989	22	41.1	+0.4	64	13	19	21	32	6.29	+2.04	1.38	T.	12	12	9	10	ne.	Spartan Goodlette.
Greenwood	Greenwood	671	26	43.1	+0.7	68	†17	20	13	44	5.40	+1.81	1.70	0	6	10	0	21	e.	M. M. Calhoun.
Heath Springs	Lancaster	568	13	41.8	−1.3	63	15	23	22	34	6.64	+3.39	2.04	0	6	12	4	15	w.	J. Marvin Bowers.
Landrum	Spartanburg	1063	....	[a]40.9	......	[a]64	13	[a]20	21	[a]33	8.89	....	2.98	T.	10	14	7	10	......	R. Hartwell Wilds.
Liberty	Pickens	900	20	41.6	−0.7	63	†18	21	21	33	7.76	+3.23	2.02	0.5	10	12	8	11	s.	John T. Boggs.
Little Mountain	Newberry	711	21	44.0	−1.3	64	†6	24	21	36	4.46	+1.40	1.30	0	9	17	2	12	se.	J. M. Sease, M. D.
Meriwether	Edgefield	.....	11	45.6	−1.0	68	6	[b]25	†21	[b]44	5.19	+2.25	1.37	0	9	10	4	17	......	William S. Middleton.
Monetta	Saluda	400	8	45.2	......	66	16	25	21	38	5.90	....	1.30	0	10	9	13	9	ne.	Joseph M. Johnson.
Newberry	Newberry	502	27	43.2	−0.4	67	16	24	†21	38	5.92	+1.84	1.86	T.	11	7	11	13	e.	Warren G. Petterson.
Pelzer	Anderson	850	11								5.42	+1.68	1.08	T.	9					Joshua Y. Jones.
Saluda	Saluda	536	12	43.9	−1.5	66	15	22	30	40	6.60	+3.36	1.80	0	8	15	6	10	nw.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	20	42.3	−0.7	63	†16	22	21	34	6.58	+3.12	2.40	T.	10	11	10	10	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	23	40.6	−1.0	64	16	22	22	30	6.22	+2.56	1.90	T.	7					F. P. Robinson.
Trenton	Edgefield	620	21																	
Winnsboro	Fairfield	545	25	42.0	−1.7	65	18	23	†21	37				0	....	20	4	7	e.	J. W. Seigler.
Winthrop College ‡‡	York	690	14	43.0	−0.5	63	†6	22	21	35	5.85	+2.83	2.00	T.	6	6	13	12	sw.	W. P. Goodman.
Division means and extremes				43.3	−0.6	69	6	19	21	44	5.99	+2.25	2.98	T.	9	12	7	12	ne.	
State means and extremes				45.1	−0.3	76	7	19	21	46	6.31	+2.89	3.44	T.	9	12	6	13	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Errata—December, 1914.

BLACKVILLE.—Maximum temperature on 25th (page 94), should be 47.0; mean maximum should be 55.1. Mean temperature (page 92), should be 46.4.

CLEMSON COLLEGE.—Mean maximum temperature (page 94), should be [a]51.0; maximum temperature on 26th should be omitted. Mean temperature (page 92,) should be 43.8.

GEORGETOWN.—Mean maximum temperature (page 94), should be [a]55.9; maximum temperature on 26th should be omitted. Mean temperature (page 92), should be 48.0.

HEATH SPRINGS.—Maximum temperature on 26th (page 94), should be 39; mean maximum should be 45.5. Mean temperature (page 92), should be 40.2.

LITTLE MOUNTAIN.—Mean maximum temperature (page 94), should be 49.0.

WINTHROP COLLEGE.—Total precipitation (pages 92 and 93), should be 7.46.

NUMBER OF DAYS WITH 0.01 OR MORE OF PRECIPITATION (Page 92).—Anderson should be 15; Blackville, 14; Darlington, 14; Greenwood, 13; Kingstree, 7.

MISCELLANEOUS DATA FOR JANUARY, 1915.

Stations.	Barometer—sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Sunshine—total hours.	Relative humidity—per cent.	Wind.	
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.			Average hourly velocity—miles.	Prevailing direction.
Asheville, N. C.	30.13	37.0	60	19	3.41	1.42	136.7	79	9.0	nw.
Augusta, Ga.	30.03	46.4	70	28	5.21	1.58	173.0	79	6.0	ne.
Charleston, S. C.	30.10	49.7	67	32	7.44	1.95	147.8	80	10.2	ne.
Charlotte, N. C.	30.12	41.6	62	23	5.67	2.32	148.2	73	6.9	ne.
Columbia, S. C.	30.12	45.4	65	27	6.02	1.70	147.6	73	6.9	ne.
Savannah, Ga.	30.10	51.2	70	32	3.58	1.45	130.1	78	10.6	ne.
Wilmington, N. C.	30.12	47.6	69	27	8.41	3.84	178.1	76	8.2	w.
Means and extremes	30.10	45.6	70	19	5.68	5.68	151.6	77	8.3	ne.

Daily Precipitation for January, 1915.

Stations.	Watershed.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ‖‖	Savannah						.61	.64				.45	.07					.25	2.00	.62						1.05							5.69
Beaufort	Coast					.40	.92				.85	2.25						.40								.60		.17				T.	5.59
Blackville ‖‖	Edisto						.43	.72				.13	.58	.09				.53	1.44	1.03	.01					.67							5.63
Bowman	do					.64	1.20					.51	.65					.40	3.44					.08	1.02							.12	8.06
Charleston ***	Coast					.28	.77	.01				1.01	.65					1.86	1.59	.05				.43	.67	.01		.11				T.	7.44
Cheraw ‖‖	Pedee						.10	1.00					1.10	.56				.90	.58					.01	.20	.30		.01		T.			4.76
Conway ‖‖	Waccamaw						T.	1.55					1.32	.10					1.80	.87				.10	.90	1.27	T.		.17				8.08
Darlington ‖‖	Pedee						.04	.43					.85	.18				.05	.90	.40	.05			.17	.08								3.15
Dillon	Little Pedee					T.	.42	1.04				.12	1.66					2.00	1.14	.05				.56	.71		T.						7.70
Edisto ‖‖	Edisto						.56	.90				.06	.64	.11					1.70	1.63					.07	.92							6.59
Effingham ‖‖	Lynches						.07	.68					1.10	.43					2.00	.87					.40	.31							5.86
Ferguson ‖‖	Santee						.25	1.25					1.13	.35					2.42	2.45					.22	.80							8.87
Florence ‖‖	Pedee						1.65					1.00	.40				1.60	.70							.28	.40							6.03
Georgetown	Coast					T.	.80	1.11				.80	1.22					.85	1.85	.85				.80	1.25	T.						T.	9.53
Kingstree ‖‖	Black						.37	.97					1.02	.37					3.03	1.98					.25	.40							8.39
Pinopolis	Cooper						1.51					1.25	.25					2.60	1.26					.36	.66			.20					8.09
Rimini ‖‖	Santee						.50	.99					1.29	.08				.02	1.39	1.07					.03	.65							6.02
St. George ‖‖	Edisto																																
St. Matthews ‖‖	Santee						.45	.83					.72	.20				.15	1.20	.90					.10	.63							5.18
Smiths Mills ‖‖	Pedee						.10	1.42					1.25	.40					1.70	1.07					.90	.60	.05		.10				7.59
Society Hill ‖‖	do					.02	.82					1.70	.27				.10	1.75	.18					.55	.25								5.64
Summerville	Ashley					.35	.38	.89				.46	.90					1.73	1.95	.08				.07	.67	.07		.16				T.	7.71
Walterboro	Ashepoo					.20	1.07					.76	.68					.48	1.83	.12				.07	1.08	.02		.20					6.51
Yemassee ‖‖	Combahee						.26	.90					.73	.08				T.	.88	1.32					.06	.83			.21				5.27
Western Portion.																																	
Aiken	Edisto					.20	.80	.75				.25	.75					.65							.50	.05							3.95
Anderson	Savannah					.30	1.57					.30	.65			.03		.69	1.34					.03	.36	.02							5.29
Batesburg ‖‖	Edisto						.19	2.01					.80	.41				.39	.87	.80						.61							6.08
Blairs ‖‖	Broad						.81	1.09					1.15	.05				.25	1.36	.72					.57								6.00
Calhoun Falls ‖‖	Savannah						.61	.67					.92	.16				.61	.93	.70						.63							5.23
Camden ‖‖	Wateree						.39	.73					1.09	.44				.20	1.24	.97					.05	.26							5.37
Catawba ‖‖	Catawba						.90	1.10					1.10	.19				.12	2.01	.67	.04				.10	.54							6.77
Chappells ‖‖	Saluda						.50	1.37					.80			.04		.59	.98	.50						.44							5.72
Clemson College	Savannah					*	2.20					T.	1.19		T.				*	2.50					*	1.08							6.97
Columbia ***	Congaree					.23	1.61	.01				.44	.62					1.17	1.44						.46	.01						.03	6.02
Edgefield ‖‖	Savannah						.60	1.49					.78	.12				.42	.99	.73						.24							5.37
Gaston Shoals ‖‖	Broad						.80	1.67				.02	1.07	T.				.46	1.21	.33		T.			.06	.16	.05						5.83
Greenville ‖‖	Saluda						.84	1.38				.05	1.01			.04		.71	1.37	.35	T.				.08	.31	.06					.09	6.29
Greenwood ‖‖	do						.42	1.63					.75						.52	1.70						.38							5.40
Heath Springs	Wateree						2.04						1.08	.04				1,50	1.56						.42								6.64
Landrum	Broad					.04	2.98	.08				.35	1.01		T.			1.68	1.82	T.	T.			.13	.67	.13							8.89
Liberty	Savannah					.25	2.02					.20	1.05			.02		1.10	1.80					.44	.68	.20						T.	7.76
Little Mountain	Saluda					.14	1.30	.15				.12	.80					1.00	.60						.30	.05							4.46
Meriwether	Savannah					.20	1.35	.05				.35	.62					.74	1.37						.48	.03	T.						5.19
Monetta	Edisto					.16	1.17	.81				.15	.89					.90	1.30	.08					.41	.03							5.90
Newberry	Saluda					.15	1.86	.02				.14	.91					.85	1.40	.06	.01				.42	.10							5.92
Pelzer ‖‖	do						.86	1.08					1.08					.62	.92	.36	T.				.10	.30	.10						5.42
Saluda	do					.22	1.61	.13				.23	.83					.95	1.80						.83								6.60
Santuck	Broad					.11	2.40	.11				.05	1.10					.69	1.46		.06				.52	.08						T.	6.58
Spartanburg ‖‖	do						1.90	.72					1.03	T.				.80	1.02	.40	T.	T.			T.	.35	T.						6.22
Trenton	Edisto																																
Winnsboro	Broad																																
Winthrop College	Catawba						2.00	.25					.89					.46	1.75		T.				.50								5.85

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR JANUARY.

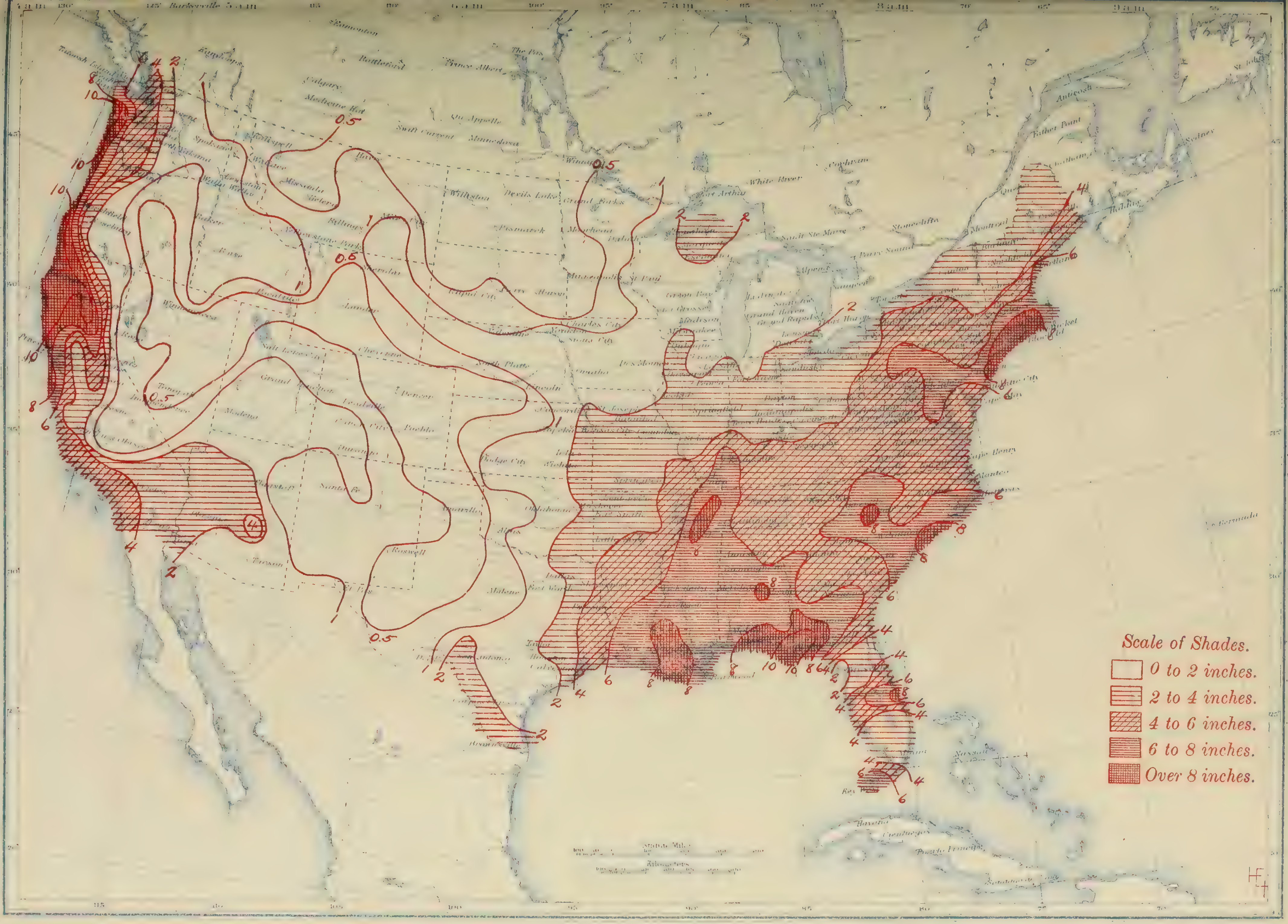
Year.	Temperature.			Precipitation.		Average number of days—			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	40.1	73	5	2.80	8				
1888	46.2	76	15	2.94	10				nw.
1889	44.9	78	15	5.81	10				ne.
1890	54.1	81	17	1.16	6				sw.
1891	46.2	75	21	3.56					w.
1892	42.7	72	16	6.75					nw.
1893	38.0	71	3	2.52	6				
1894	47.9	77	19	3.15	10	10	9	12	ne.
1895	44.2	80	5	7.31	13	9	9	13	sw.
1896	43.8	72	9	3.02	6	12	10	9	ne.
1897	42.2	76	3	2.29	7	13	8	10	nw.
1898	49.2	82	8	1.80	6	12	10	9	sw.
1899	44.4	78	17	4.72	11	10	7	11	n.
1900	44.0	75	3	2.43	8	16	6	9	nw.
1901	45.1	81	18	3.55	9	14	7	10	nw.
1902	42.4	80	11	2.05	5	15	7	9	sw.
Continued									
1903	43.7	77	13	3.85	11	10	6	15	w.
1904	40.2	74	8	2.97	8	15	5	11	n.
1905	41.4	77	8	2.00	7	15	6	10	w.
1906	47.0	83	12	5.85	11	12	4	15	ne.
1907	53.4	89	18	0.71	4	15	9	7	sw.
1908	44.2	76	17	4.86	9	13	8	10	w.
1909	49.6	83	9	1.54	5	12	9	10	ne.
1910	45.5	80	11	2.98	7	14	10	7	w.
1911	49.8	82	16	1.58	5	14	8	9	sw.
1912	40.2	79	6	4.92	9	13	4	14	w.
1913	53.8	82	23	3.21	8	10	6	15	sw.
1914	46.7	81	18	2.66	5	16	9	6	w.
1915	45.1	74	19	6.31	9	12	6	13	ne.
Period	45.4	89	3	3.42	8	13	8	10	sw.

Daily Temperatures for January, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	50	59	51	55	60	....	....	....	56	52	60	45	58	52	66	68	65	60	43	50	45	57	69	61	48	48	46	57	57	65	71	[c]56.2
	Minimum	31	29	32	37	38	41	51	33	34	32	41	42	37	36	38	37	44	60	43	36	27	27	32	46	37	38	37	31	28	31	38	36.9
Beaufort	Maximum	52	60	51	56	62	63	63	63	58	59	60	60	60	64	64	64	63	62	61	57	51	60	66	60	60	63	43	58	60	64	66	59.8
	Minimum	37	35	37	41	41	46	37	39	38	35	40	42	45	41	43	44	55	57	40	40	32	32	45	55	40	40	36	37	36	37	50	41.1
Blackville §§	Maximum	51	61	53	55	61	68	63	59	58	51	58	46	61	54	67	70	65	65	44	51	46	56	68	65	47	47	47	58	69	66	69	58.0
	Minimum	29	29	31	34	35	40	48	31	35	30	38	40	35	37	36	35	47	60	39	34	25	25	36	40	35	39	36	29	27	31	44	35.8
Bowman	Maximum	60	62	61	47	50	67	60	61	60	60	64	56	66	52	68	67	66	65	63	51	45	60	65	55	50	52	56	57	59	63	70	59.3
	Minimum	24	28	32	33	37	40	38	35	33	26	48	38	33	35	36	32	45	58	38	33	26	38	40	38	35	32	26	27	28	33	48	35.3
Charleston	Maximum	49	59	47	55	56	65	66	55	55	51	61	59	58	54	63	59	64	67	59	52	45	52	66	63	53	50	43	57	52	60	67	56.8
	Minimum	35	35	39	42	45	53	48	42	43	41	46	41	40	45	43	45	55	58	40	38	32	34	50	43	42	43	38	35	38	42	50	42.6
Cheraw §§	Maximum	46	58	48	49	59	64	62	56	54	51	52	48	60	59	66	64	62	63	44	48	42	48	59	48	42	38	41	48	50	50	64	53.0
	Minimum	28	24	28	30	32	49	48	36	34	28	34	40	39	36	38	36	47	58	41	33	24	22	33	47	33	32	34	28	26	32	38	35.1
Conway §§	Maximum	48	57	51	57	57	68	65	58	56	52	59	57	60	58	62	65	66	66	59	50	44	54	63	49	46	42	42	53	56	60	71	56.5
	Minimum	30	25	28	33	33	40	53	37	38	30	36	42	42	38	36	34	42	59	49	38	28	26	32	49	38	39	38	32	29	30	41	36.9
Darlington §§	Maximum	50	59	51	53	55	66	65	59	58	54	58	45	62	59	68	65	65	65	43	50	44	52	60	53	45	40	37	53	53	62	68	55.4
	Minimum	31	24	27	29	27	35	46	34	33	25	30	40	38	34	32	30	40	55	41	35	25	22	31	41	33	33	35	29	24	28	36	33.0
Dillon	Maximum	47	59	51	51	54	71	71	59	56	54	53	59	62	58	66	65	65	66	64	50	44	53	62	59	45	44	45	52	54	62	71	57.2
	Minimum	28	25	31	32	31	50	49	37	37	27	38	43	41	37	35	34	58	62	38	36	27	25	39	35	30	38	36	30	27	29	38	36.4
Ferguson §§	Maximum	49	59	51	54	56	68	66	60	55	51	60	47	60	53	67	67	68	65	47	52	44	56	69	59	48	46	44	57	56	65	74	57.2
	Minimum	32	25	27	38	38	40	50	35	37	35	35	44	40	37	34	35	36	54	47	41	24	28	29	42	37	38	37	34	23	30	30	35.9
Florence §§	Maximum	48	50	48	51	50	64	58	55	52	50	49	45	55	52	56	54	62	59	44	45	48	50	60	51	49	40	44	45	51	62	71	52.2
	Minimum	29	27	31	32	31	45	49	38	37	29	29	39	35	38	35	36	51	48	43	27	27	25	27	50	38	35	36	31	28	28	30	35.0
Georgetown	Maximum	49	58	50	58	54	65	68	60	60	53	60	55	61	61	68	63	68	68	55	52	46	52	65	62	50	50	48	56	65	62	72	58.5
	Minimum	32	30	27	38	37	50	52	39	41	31	39	44	40	38	40	38	52	56	38	37	29	27	42	45	40	40	36	32	30	30	45	38.5
Kingstree §§	Maximum	55	50	55	60	61	69	67	60	55	54	60	52	62	58	61	67	68	68	56	52	45	55	64	59	50	51	50	53	54	65	70	58.3
	Minimum	36	30	35	35	36	39	50	39	39	35	36	42	39	38	37	38	47	47	47	37	30	25	27	42	37	30	35	32	30	31	37	36.8
St. George §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
St. Matthews §§	Maximum	47	60	60	58	53	65	64	58	59	60	61	51	63	54	67	69	63	64	51	51	46	51	67	59	47	44	44	59	50	64	67	60.2
	Minimum	27	27	30	35	30	33	45	31	33	28	30	35	35	36	36	34	48	53	38	34	24	24	35	41	34	37	33	29	25	28	33	33.6
Society Hill §§	Maximum	59	54	51	53	65	69	60	55	51	57	51	61	59	65	64	65	65	57	53	48	48	60	55	50	47	44	52	51	60	67	71	57.0
	Minimum	23	26	28	27	41	46	35	33	25	30	37	37	34	34	30	35	57	41	33	23	20	32	42	33	33	34	27	22	28	32	39	32.8
Summerville	Maximum	50	60	52	57	50	69	67	60	58	52	58	61	60	52	68	66	63	66	64	54	47	59	68	62	52	49	45	58	58	65	72	58.8
	Minimum	31	26	31	38	40	47	52	34	38	31	39	44	38	38	37	38	49	61	41	35	27	26	41	46	40	43	36	31	28	31	45	38.1
Walterboro	Maximum	53	62	....	58	53	68	69	63	59	54	59	61	60	52	70	69	63	65	64	54	48	63	71	61	54	....	54	61	61	69	72	[b]64.1
	Minimum	31	26	....	39	40	45	50	33	38	38	49	43	38	37	38	35	50	60	41	35	27	25	40	47	40	....	37	31	28	29	45	[b]38.5
Yemassee §§	Maximum	54	60	56	59	55	67	76	61	58	54	58	52	59	52	68	69	64	64	47	53	47	61	71	62	55	54	44	59	60	68	71	59.3
	Minimum	32	25	25	35	39	41	51	30	33	30	34	42	36	36	38	34	35	58	45	32	25	26	27	39	40	41	36	29	27	29	30	34.8
Western Portion.																																	
Aiken	Maximum	51	58	51	55	49	64	64	55	54	49	50	56	58	55	65	65	64	65	58	50	45	52	65	60	45	45	45	54	56	62	68	55.9
	Minimum	30	28	33	34	34	39	45	27	35	33	38	37	32	37	36	40	51	48	39	32	22	26	40	36	33	39	33	28	30	35	40	35.2
Anderson	Maximum	50	59	51	47	42	50	68	50	58	51	43	51	63	60	63	64	61	63	64	45	45	47	50	51	45	42	51	54	55	63	44	53.2
	Minimum	27	30	32	29	30	36	30	30	32	29	34	34	30	33	33	39	52	56	33	31	22	26	36	31	30	37	33	34	25	33	34	32.9
Batesburg §§	Maximum	49	56	59	50	45	64	60	54	52	48	57	45	57	58	64	65	64	64	51	44	45	51	62	50	45	41	45	51	55	62	65	54.1
	Minimum	27	30	33	39	31	39	41	31	33	36	35	35	32	34	34	40	44	52	34	30	23	25	30	47	28	30	31	28	25	29	32	33.5
Camden §§	Maximum	59	59	48	50	51	65	60	56	55	51	55	45	60	58	60	66	64	64	43	49	35	59	62	56	46	41	44	55	60	61	64	54.9
	Minimum	28	28	41	30	31	33	45	37	33	29	29	41	37	38	36	36	54	55	40	36	29	27	27	49	35	36	34	30	25	26	37	35.2
Clemson College	Maximum	46	55	48	50	55	54	60	54	51	51	46	49	38	59	58	61	58	64	63	56	42	45	47	49	46	45	49	49	50	60	58	52.1
	Minimum	26	28	28	31	22	39	39	28	29	26	34	37	31	32	35	35	52	32	56	34	25	25	35	37	34	39	38	40	24	31	42	33.7
Columbia	Maximum	48	58	49	50	45	65	62	54	54	50	53	46	60	56	65	65	62	64	55	47	42	50	64	57	45	42	44	52	55	60	65	54.3
	Minimum	30	30	34	34	34	44	45	35	34	30	38	38	38	39	41	41	52	55	37	34	27	27	39	34	34	38	34	30	28	34	40	36.4
Greenville §§	Maximum	48	59	50	48	46	48	59	51	55	51	39	52	64	60	62	62	60	62	43	42	42	46	50	45	42	40	51	50	54	56	48	[a]51.1
	Minimum	25	26	32	28	29	30	40	30	31	26	27	35	33	34	35	36	40	50	33	31	19	20	28	37	31	32	35	33	23	24	31	31.1
Greenwood §§	Maximum	49	57	50	47	40	61	59	54	56	41	39	49	61	60	64	66	68	68	68	67	41	49	52	51	46	45	50	53	57	60	65	54.6
	Minimum	27	27	30	31	29	30	40	31	31	28	30	35	20	34	39	40	45	46	34	31	23	25	27	34	31	32	30	31	26	28	35	31.6
Heath Springs	Maximum	45	52	45	49	45	60	58	52	54	49	40	42	58	52	63	62	60	62	60	44	38	41	42	40	41	36	38	50	48	59	55	49.7
	Minimum	26	29	29	29	29	37	45	35	34	31	32	36	37	37	39	37	48	54	37	32	24	23	32	38	31	32	33	30	25	31	35	33.8
Landrum	Maximum	....	55	46	48	47	46	61	51	53	50	44	43	64	59	61	59	54	62	62	44	39	40	49	50	42	41	48	44	52	48	43	[a]50.3
	Minimum	....	26	29	24	24	37	36	37	33	26	31	33	34	32	39	33	48	50	33	29	20	21	31	31	30	31	32	35	21	29	31	[a]31.5
Liberty	Maximum	47	58	53	46	44	49	58	49	52	48	42	49	61	59	60	60	59	63	63	42	43	44	42	48	40	40	50	50	52	55	47	50.7
	Minimum	25	27	29	36	28	36	39	29	27	25	34	33	30	30	38	34	51	50	33	30	21	25	35	33	32	37	30	38	22	32	36	32.4
Little Mountain	Maximum	55	57	48	48	44	64	60	53	53	49	43	44	58	59	58	60	63	64	64	46	41	48	59	55	49	42	44	50	55	61	55	53.2
	Minimum	26	27	32	30	28	40	43	33	34	32	36	35	35	39	39	45	50	51	35	33	24	36	37	36	32	37	32	32	30	35	36	34.8
Meriwether	Maximum	53	59	52	53	49	69	61	58	58	49	46	46	59	60	67	67	63	65	64	48	45	41	60	57	46	44	51	50	58	62	71	55.8
	Minimum	26	28	28	40	30	39	43	....	....	28	35	40	33	35	33	35	54	58	35	33	25	26	50	45	34	38	31	29	25	27	42	[b]35.8
Monetta	Maximum	48	57	53	52	46	64	62	57	53	50	45	47	58	57	65	66	62	63	63	46	43	51	64	61	44	44	45	54	57	62	64	54.9
	Minimum	30	28	34	31	33	40	44	32	35	33	37	37	34	37	39	38	51	59	35	33	25	26	38	37	34	39	33	30	26	32	40	35.5
Newberry	Maximum	48	57	49	49	41	62	60	52	54	50	43	46	60	60	64	67	65	62	64	46	41	46	59	52	43	42	46	51	54	60	53	53.1
	Minimum	28	27	27	29	29	36	35	31	29	28	35	36	34	34	34	35	51	60	36	32	24	26	38	35	32	38	32	28	24	29	37	33.2
Saluda	Maximum	50	59	60	52	45	63	61	55	54	53	49	48	59	60	66	65	63	64	64	50	44	50	60	55	45	45	47	56	57	62	60	55.5
	Minimum	24	26	29	26	26	39	44	28	27	26	24	36	34	31	33	30	52	59	35	31	25	23	34	45	33	39	30	27	23	22	37	32.3
Santuck	Maximum	47	56	48	47	44	62	59	53	52	50	43	47	57	58	61	63	61	63	63	43	40	46	53	51	40	46	46	49	52	57	50	51.8
	Minimum	27	25	27	27	27	38	43	31	32	27	32	35	35	36	37	33	51	58	36	32	22	23	37	32	31	36	31	30	23	29	35	32.8
Spartanburg §§	Maximum	47	56	50	46	46	47	59	48	52	52	39	48	62	59	63	64	61	62	42	42	40	46	53	44	40	42	51	45	51	52	44	50.1
	Minimum	26	27	29	26	26	28	39	30	31	27	28	33	36	34	34	34	35	50	36	32	23	22	27	38	30	31	35	35	24	26	32	31.1
Trenton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Winnsboro	Maximum	45	50	50	60	50	55	50	55	57	49	48	50	57	60	62	63	64	65	40	40	38	40	60	40	43	48	40	50	51	52	55	51.2
	Minimum	26	30	30	35	30	35	33	33	32	30	35	32	33	36	38	45	50	56	33	33	23	23	25	30	30	32	30	29	25	33	35	32.9
Winthrop College	Maximum	45	55	49	48	46	63	58	54	51	50	46	45	58	58	62	63	60	63	63	44	39	43	55	50	45	42	43	49	50	56	49	51.7
	Minimum	27	28	28	28	28	38	45	34	32	29	32	34	35	38	37	58	51	58	32	32	22	23	36	30	28	33	34	39	24	32	34	34.2

Reference letters (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
☐ 0 to 2 inches.
▤ 2 to 4 inches.
▨ 4 to 6 inches.
▤ 6 to 8 inches.
▦ Over 8 inches.

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OF THE
UNIVERSITY OF ILLINOIS
10 APR 1915

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

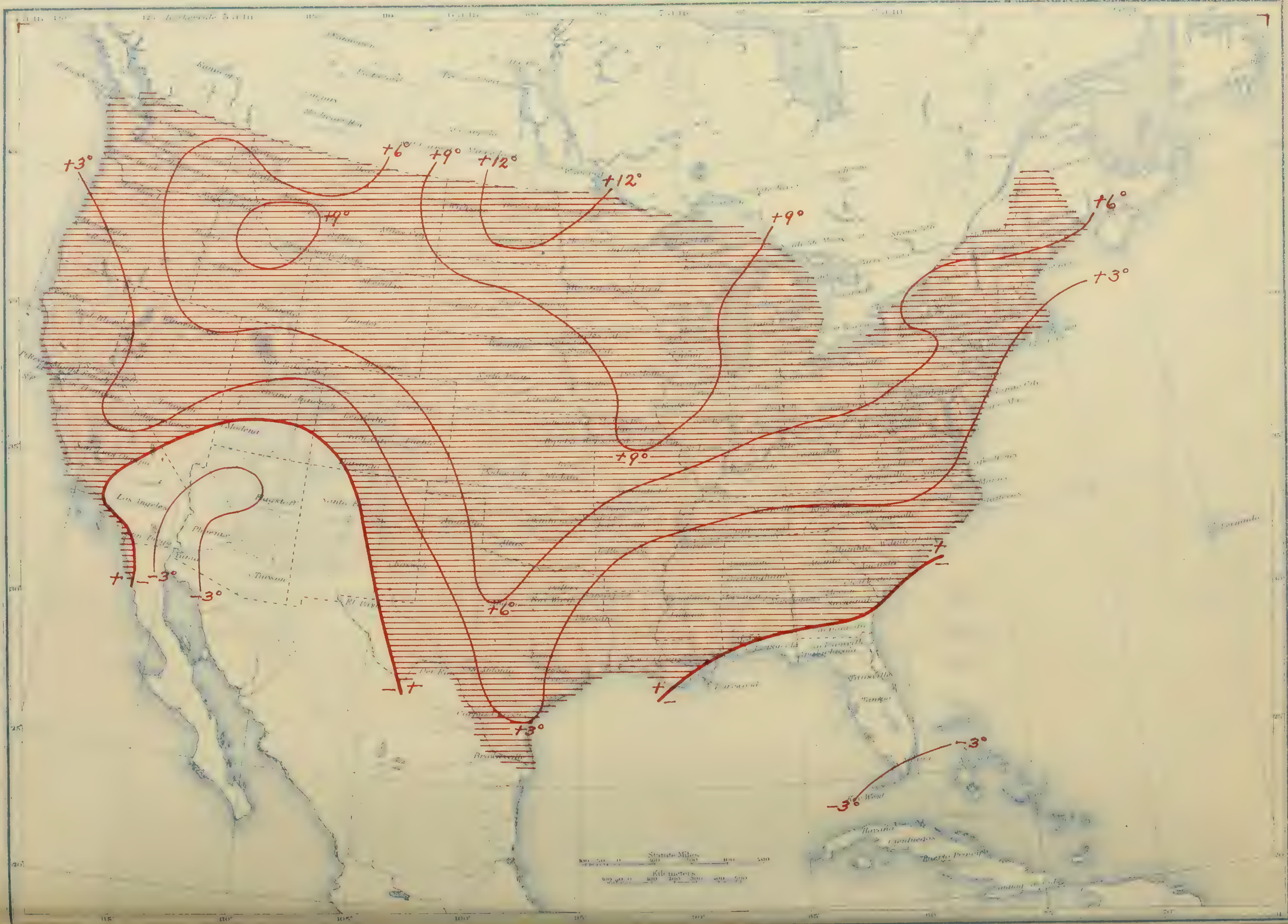
SOUTH CAROLINA SECTION

FEBRUARY, 1915

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
March 29, 1915.

Departure of the Mean Temperature from the Normal, February, 1915.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

Vol. XVIII. Columbia, S. C., February, 1915. No. 2.

GENERAL SUMMARY.

February was warmer than usual, with no marked extremes of temperature. Generally favorable thermal conditions and increased sunshine materially quickened vegetation, which was somewhat in advance of the season at the close of the month. While precipitation was considerably below normal, with rather long intervals of dry weather, the ground was in fine condition for farming operations, which progressed satisfactorily, except in the extreme northwestern counties, where the ground was too wet. An increased truck acreage is probable this season. Fruit is promising. Comparatively little loss attended the freshets in the rivers of the Section during the early part of the month.

PRESSURE

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.14 inches. The highest pressure in the region covered by reports was 30.64 inches at Charlotte and Wilmington, N. C., on the 11th, and in the Section proper, 30.62 inches at Columbia on the same date; lowest, 29.63 inches at Charlotte, N. C., on the 24th, and in the Section proper, 29.68 inches at Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 40 stations, was 48.6°, or 1.8° above the established normal. The highest temperature was 80° at Bowman, Orangeburg County, on the 14th. The warmest period of the month was generally between the 13th and 15th. The lowest temperature was 20° at Greenville, Greenville County, and Liberty, Pickens County, on the 9th. The coldest period was between the 9th and 11th.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 78 per cent; 8 p. m., 62 per cent; for the month, 70 per cent. The highest average percentages occurred over the central coast districts, and the lowest, over the north-central counties.

PRECIPITATION.

The average for the Section, 51 stations reporting, was 3.15 inches, or 1.31 inches below the established normal. The rainfall was well distributed throughout the Section during three distinct periods. In quantity, however, there were marked deficiencies over the southern counties, where the measurements ranged below 2 inches, as against decided excesses over the extreme northwestern counties, where the amounts ranged from 5 to over 7 inches. The greatest local monthly amount was 7.38 inches at Landrum, Spartanburg County; least amount, 1.69 inches at Yemassee, Hampton County. The greatest amount during any 24 hours was 2.36 inches at Newberry, Newberry County, on the 1st and 2d. The average number of days with measurable precipitation was considerably below normal.

Snow flurries occurred at Conway, Horry County, on the 22d.

WIND.

The prevailing winds were from the north. The average hourly velocity, determined from 7 anemometer records, was 9.4 miles per hour. In the Section proper the averages were 7.8 miles per hour at Columbia and 10.8 miles per hour at Charleston. The highest velocity for any 5-minute period in the region covered by reports was 39 miles per hour from the south at Savannah, Ga., on the 1st, and in the Section proper, 32 miles per hour from the southwest at Columbia on the 2d.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 189.7 hours, or 62 per cent of the possible amount. The average number of clear days was 15; partly cloudy, 6, and cloudy, 7, as against normals of 12, 6 and 10 days, respectively.

RIVER CONDITIONS.

The month opened with heavy rains over the Piedmont sections of the Carolinas, followed by moderate freshets in several rivers of the Santee and Pee Dee districts. Flood stages occurred on the following dates: Catawba River, 3d; Wateree, 3d and 4th; Saluda, 2d; upper Pee Dee, 4th and 5th; lower Pee Dee, 1st, 2d and 10th to 13th; Waccamaw, 1st to 11th; Santee, throughout the month. Movable property, approximating a value of $14,000, was saved by timely warnings of the Weather Bureau, while unavoidable losses were estimated at $520.

MISCELLANEOUS PHENOMENA.

Fogs, dense (dates).—Calhoun Falls, 15; Charleston, 5, 6, 24; Gaston Shoals, 1, 6, 9, 13, 14, 18; Landrum, 1, 5, 14; Liberty, 6; Smiths Mills, 6.

Hail (dates).—Camden, 24; Georgetown, 24, 28; Smiths Mills, 1, 24; Summerville, 24.

Halos (dates).—*Lunar:* Charleston, 22, 23, 26, 27; Columbia, 21, 22, 26; Little Mountain, 21; Santuck, 27. *Solar:* Charleston, 27; Santuck, 27.

Thunderstorms (dates).—Bowman, 15; Charleston, 1, 2; Cheraw, 2, 24; Florence No. 2, 1; Gaston Shoals, 24; Liberty, 24; Little Mountain, 1; Rimini, 1, 15; Santuck, 1; Smiths Mills, 1, 24; Society Hill, 1; Summerville, 24.

Errata January, 1915.

Miscellaneous Data (Page 4). Augusta, barometric pressure should be 30.12. Mean barometric pressure for Section should be 30.12.

MISCELLANEOUS DATA FOR FEBRUARY, 1915.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Sunshine, total hours.	Relative humidity, per cent.	Wind.	
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.			Average hourly velocity, miles.	Prevailing direction.
Asheville, N. C.	30.16	40.2	62	18	2.78	0.62	176.9	72	11.0	nw.
Augusta, Ga.	30.15	49.0	74	27	2.59	1.61	190.0	72	7.1	w.
Charleston, S. C.	30.13	51.5	73	33	2.53	0.83	206.7	73	10.8	ne.
Charlotte, N. C.	30.14	45.7	67	22	2.89	1.37	179.0	67	7.8	ne.
Columbia, S. C.	30.15	49.2	72	27	2.25	1.08	197.5	63	7.8	ne
Savannah, Ga.	30.13	53.0	72	31	1.60	0.51	170.2	72	13.2	ne
Wilmington, N. C.	30.14	49.6	72	27	2.97	1.82	207.7	72	8.3	n
Means and extremes	30.14	48.3	74	18	2.52	1.82	189.7	70	9.4	ne.

Climatological Data for February, 1915.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'n (0.01 in. or more)	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	26	49.9	+1.7	76	15	25	10	36	2.69	−1.46	1.38	0	6	9	10	9	e.	H. G. Harris.
Beaufort	Beaufort	21	28	[a]51.4	−0.2	[a] 70	† 13	[a] 32	† 9	[a]32	1.96	−2.64	0.70	0	5	20	3	5	ne.	Miss Lillian H. Rice.
Blackville	Barnwell	296	26	50.4	+3.2	77	14	25	10	40	2.97	−1.36	1.37	0	6	17	4	7		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	12	50.6	+3.2	80	14	21	10	46	3.47	−0.73	1.20	0	7	17	7	4	w.	B. O. Evans.
Charleston	Charleston	48	44	51.5	−0.2	73	15	33	9	25	2.53	−0.88	0.83	0	8	11	9	8	ne.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	25	48.4	+5.9	74	14	24	9	34	2.32	−2.00	0.92	0	8					J. H. Powe.
Conway	Horry	25	29	[a]47.8	+0.6	[a] 72	† 1	[a] 26	10	[a]36	2.49	−2.08	1.02	T.	6					Paul Quattlebaum.
Darlington	Darlington	175	19	47.8	+3.2	75	14	21	11	40	2.88	−2.29	1.70	0	6	14	7	7		D. C. McCall.
Dillon	Dillon	100	11	49.3	+4.0	77	15	24	9	43	2.88	−1.51	1.17	0	6					A. E. Rowell.
Edisto ‡‡	Bamberg	143	27								3.64	−1.32	1.59	0	6					Nathan Jenkins.
Effingham	Florence	106	22								3.05	−2.37	1.75	0	5					H. B. McCall.
Ferguson	Orangeburg	63	29	48.9	+2.3	78	17	26	† 10	46	2.44	−1.59	1.10	0	5					Joseph P. Simons.
Florence 1	Florence	136	26	48.3	+2.7	74	† 14	25	9	41	3.24	−1.16	1.98	0	6					H. K. Gilbert.
Florence 2	Florence	136									3.20	−1.20	2.00	0	3	14	11	3	n.	PeeDeeExperimentStation.
Georgetown	Georgetown	12	20	52.2	+3.7	74	15	[a] 26	10	[a]39	3.05	−1.21	1.55	0	6	17	10	1	n.	A. P. Hazard.
Kingstree	Williamsburg	54	26	49.3	+1.9	75	14	25	11	38	2.46	−1.76	0.77	0	7	19	0	9	nw.	A. O. Matthews.
Pinopolis **	Berkeley	54	21	50.1	+2.0	70	1	30	10		2.42	−1.12	0.85	0	5	19	0	9	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	5								2.87		1.45	0	6					William B. Wolfe.
St. George	Dorchester	109	26	[c]53.3	+6.1	[c] 76	† 14	[c] 25	10	[c]38	1.71	−2.42	0.98	0	6					Geo. N. Snelling, M. D.
St. Matthews	Calhoun	269	26	49.2	+3.3	74	† 15	21	18	39	2.17	−2.73	0.84	0	5	10	8	10	s.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	19								2.95	−1.55	1.20	0	8					W. G. Walker.
Society Hill	Darlington	192	23	48.4	+4.0	75	13	21	† 8	39	2.94	−1.86	1.46	0	6	11	14	3	n.	Rev. T. Ellison Simpson
Summerville	Dorchester	75	17	51.7	+2.9	74	† 14	26	10	40	2.37	−2.07	0.93	0	10	9	16	3	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	12	52.1	+1.7	77	14	27	11	45	1.91	−2.21	0.54	0	9	14	7	7		J. A. Westerberg.
Yemassee	Hampton	24	19	50.2	+1.8	75	15	23	10	38	1.69	−2.34	0.83	0	7	15	7	6	e.	J. G. Hutson.
Division means and extremes				50.0	+2.7	80	14	21	† 8	46	2.65	−1.77	2.00	T.	6	14	8	6	n.	
Western Portion.																				
Aiken	Aiken	527	20	48.8	+2.0	71	15	25	9	37	2.37	−1.75	0.80	0	7	16	7	5	ne.	W. M. Brown.
Anderson	Anderson	764	13	46.2	+2.7	69	22	24	9	38	4.35	−1.02	1.33	0	9	18	0	10	w.	H. H. Russell.
Batesburg	Lexington	656	26	48.3	+2.0	72	14	24	9	33	2.81	−2.93	1.73	0	4	17	3	8	n.	E. J. Hite.
Blairs	Fairfield	293	11								3.13	−0.56	1.78	0	4					J. N. Owens.
Calhoun Falls	Abbeville	508	22								2.98	−2.18	1.32	0	5					L. M. Parker.
Camden	Kershaw	222	48	48.9		74	16	23	10	41	2.22	−2.65	1.01	0	6	12	6	10	ne.	W. C. Brown.
Catawba	York	562	9								3.65	−0.80	1.80	0	6					James C. Faris.
Chappells	Newberry	402	11								3.28	−0.47	2.00	0	4					J. J. Murran.
Clemson College	Oconee	850	23	47.0	+4.5	71	24	22	† 9	39	6.35	+0.93	2.35	0	8	15	4	9	s.	Prof. F. H. H. Calhoun
Columbia	Richland	351	28	49.2	+0.9	72	14	27	9	31	2.25	−2.34	1.08	0	7	14	2	11	ne.	U. S. Weather Bureau.
Edgefield ††	Edgefield		1								2.90		2.00	0	5					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	2								2.85		1.38	0	6					Harry A. Parshall.
Greenville	Greenville	989	22	44.1	+3.6	69	22	20	9	42	5.56	+0.28	2.00	0	6	17	4	7	nw.	Spartan Goodlette.
Greenwood	Greenwood	671	26	46.1	+3.8	68	† 13	22	9	38	3.09	−1.72	1.60	0	5	18	0	10	w.	M. M. Calhoun.
Heath Springs	Lancaster	568	13	47.0	+5.0	69	14	22	9	45	2.04	−2.24	1.24	0	4	15	6	7	w.	J. Marvin Bowers.
Landrum	Spartanburg	1063		44.9		66	22	21	† 10	44	7.38		2.24	0	7	15	6	7		R. Hartwell Wilds, D. D. S.
Liberty	Pickens	900	20	45.8	+3.5	69	14	20	9	42	5.54	−0.25	1.60	0	7	17	4	7	sw.	John T. Boggs.
Little Mountain	Newberry	711	21	49.0	+3.8	71	14	28	20	34	2.32	−2.47	0.90	0	7	20	2	6	w.	J. M. Sease, M. D.
Meriwether	Edgefield		11	48.4	+2.0	72	14	22	10	42	2.85	−1.73	1.43	0	7					William S. Middleton.
Monetta	Saluda	400	8	49.4		71	14	25	9	37	2.54		0.94	0	7	13	9	6	sw.	Joseph M. Johnson.
Newberry	Newberry	502	27	47.0	+3.2	71	14	23	† 9	37	3.93	−0.68	2.36	0	7	10	8	10	sw.	Warren G. Petterson.
Pelzer	Anderson	850	11								4.22	−0.26	1.46	0	7					Joshua Y. Jones.
Saluda	Saluda	536	12	47.7	+1.4	71	21	21	10	42	3.24	−1.67	1.70	0	6	20	1	7	n.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	20	46.0	+3.4	69	14	22	† 9	41	3.63	−1.31	1.82	0	7	14	8	6	s.	E. W. Jeter.
Spartanburg	Spartanburg	875	23	44.8	+2.5	68	23	21	9	39	3.81	−0.87	1.22	0	7					F. P. Robinson.
Trenton	Edgefield	620	21																	
Winnsboro	Fairfield	545	25	46.4	+1.2	71	14	21	10	35	3.16	−1.14	1.90	0	4	17	9	2	se.	J. W. Seigler.
Winthrop College ‡‡	York	690	14	46.4	+3.7	69	14	21	9	39	3.72	−0.10	1.50	0	5	9	13	6	s.	W. P. Goodman.
Division means and extremes				47.1	+2.9	74	16	20	9	45	3.63	−1.23	2.36	0	6	15	5	8	w.	
State means and extremes				48.6	+1.8	80	14	20	9	46	3.15	−1.31	2.36	T.	6	15	6	7	n.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb: means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for February, 1915.

Stations.	Watershed.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
llendale ||||	Savannah		1.38				.07										.93	.05						.11	.15								2.69
eaufort	Coast	.45	.47			.22											.70												.12				1.96
lackville ||||	Edisto		1.37	.05			.11										.83	.02							.59								2.97
owman	do	1.20				.20										1.12	.26	.30						.08	.31		T.						3.47
harleston ***	Coast	.69	.02	T.		.16	.01									T.	.83							.33	.12				.37				2.53
heraw ||||	Pedee	.04	.92	.02			.02										.72	.13							.37	.10							2.32
onway ||||	Waccamaw		1.02				.10									T.	.30	.55						T.	.32	.20							2.49
arlington ||||	Pedee	T.	1.70	.05			.07										.40	.30							.36								2.88
illon	Little Pedee	.23	.65	T.			.02									.61	1.17							T.	.20								2.88
disto ||||	Edisto		1.30	.09			.11										1.59	.11							.44								3.64
ffingham ||||	Lynches	T.	1.75	T.			.08									T.	.80	.25							.17								3.05
erguson ||||	Santee		1.10				.20										.64	.42							.08								2.44
lorence 1 ||||	Pedee	T.	1.98	.02			.04										.71	.35							.14								3.24
lorence 2	do	2.00	T.													T.	1.10							T.	.10								3.20
eorgetown	Coast	.40	.50	T.		T.									T.		.20							.15	1.55				.25				3.05
ingstree ||||	Black	.42	.77				.15										.44	.20							.24	.24							2.46
inopolis	Cooper	.85						.20									.74							.10					.53				2.42
imini ||||	Santee		1.45				.04										.76	.20							.40								2.87
t. George ||||	Edisto	.05	.98				.18										.35	.07							.08								1.71
t. Matthews ||||	Santee		.84				.11										.75	.15							.32								2.17
miths Mills ||||	Pedee		1.20	.05			.10									.03	.25	.40							.30	.62							2.95
ociety Hill ||||	do	1.46	.15			.18										.70	.17							.28									2.94
ummerville	Ashley	.30	.37	.08		.13										.03	.93	.02						.12	.26				.13				2.37
alterboro	Ashepoo	.34	.44	.03		.17										.18	.54							.02	.09				.10				1.91
emassee ||||	Combahee	.03	.83	.08			.23										.10	.22						T.	.20								1.69
Western Portion.																																	
iken	Edisto	.80	.65			.12										.05	.20							.05	.50								2.37
nderson	Savannah	1.33	.38			.38	.02								.04	.75								.60	.65				.20				4.35
atesburg ||||	Edisto		1.73				.22										.27								.59								2.81
lairs ||||	Broad		1.78				.06										.64								.65								3.13
alhoun Falls ||||	Savannah		1.32													.18								.14	1.22				.12				2.98
amden ||||	Wateree	.08	1.01				.04										.73	.12							.24								2.22
atawba ||||	Catawba	.06	1.80	.07													.76							.04	.92								3.65
happells ||||	Saluda		2.00				.13										.46								.69								3.28
lemson College	Savannah	*	2.00		*	.50									*	1.50							T.	*	2.35								6.35
olumbia ***	Congaree	1.08	T.			.05										.49	.24						T.	.33	.04				.02				2.25
dgefield ||||	Savannah		2.00				.10										.40							.10	.30								2.90
aston Shoals ||||	Broad		1.38	.06			.26									.16	.80							T.	1.19								3.85
reenville ||||	Saluda		1.44	.01			.47									.86	.78							T.	2.00								5.56
reenwood ||||	do		1.60				.19									.06	.34								.90								3.09
eath Springs	Wateree	1.24			.05												.39								.36								2.04
andrum	Broad	1.16	.48			.56	T.								.05	1.66	T.							1.23	2.24								7.38
iberty	Savannah	1.60	.10			.45										1.30								.70	1.35				.04				5.54
ittle Mountain	Saluda	.90	.49			.05										.18	.28							.03	.40								2.32
eriwether	Savannah	1.43	.33			.10										.40	.12							.29	.18				T.				2.85
onetta	Edisto	.94	.78			.11										.02	.27							.03	.39								2.54
ewberry	Saluda	1.88	.48			.08										.40	.20						T.	.11	.78								3.93
elzer ||||	do	.04	1.46	.04		.30										.52	.52							T.	1.34								4.22
aluda	do	1.70	.46			.08										.31	.30						.39										3.24
antuck	Broad	1.82	.37			.08									T.	.29	.12							.07	.88								3.63
partanburg ||||	do	.03	1.22	.03			.35									.15	.70								1.33								3.81
renton	Edisto																																
innsboro	Broad	1.90															.50						.10	.66									3.16
inthrop College	Catawba	1.50	.60													.44							.25	.93									3.72

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature.			Precipitation.		Average number of days –			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	52.6	80	24	3.41	12				
1888	49.9	76	15	4.83	10				ne.
1889	41.9	75	10	5.60	8				w. *
1890	56.1	83	21	2.38					sw.
1891	54.7	83	13	4.23					sw.
1892	49.2	73	18	3.64					sw. *
1893	51.0	82	25	5.05	12				
1894	48.9	76	16	4.35	10	8	9	11	sw.
1895	37.4	78	– 6	3.07	7	13	6	9	nw.
1896	48.2	81	5	6.13	8	13	3	8	sw.
1897	50.0	83	15	7.80	11	10	7	11	sw.
1898	44.5	78	10	0.86	3	15	6	7	w.
1899	43.0	80	– 11	6.98	12	9	7	12	w.
1900	44.0	78	1	5.77	10	9	7	12	w.
1901	43.2	78	7	3.08	6	14	7	7	nw.
1902	40.6	77	11	5.89	8	12	6	10	nw.
Continued									
1903	49.0	81	11	7.03	10	10	7	11	sw.
1904	45.2	86	15	3.59	9	12	6	11	ne.
1905	38.9	72	0	5.21	9	10	4	14	ne.
1906	46.0	76	12	2.58	6	16	5	7	ne.
1907	45.1	84	16	3.63	8	10	8	10	ne.
1908	43.6	81	12	5.28	10	14	6	9	w.
1909	52.2	84	12	4.49	8	15	7	6	sw.
1910	44.7	79	15	4.71	9	12	6	10	w.
1911	52.1	85	20	1.60	5	13	8	7	sw.
1912	42.3	80	8	5.99	8	15	5	9	w.
1913	48.9	80	22	4.50	8	12	4	12	w.
1914	44.6	78	14	4.41	9	12	6	10	n.
1915	48.6	80	20	3.15	6	15	6	7	n.
Period	46.8	86	11	4.46	9	12	6	10	sw.

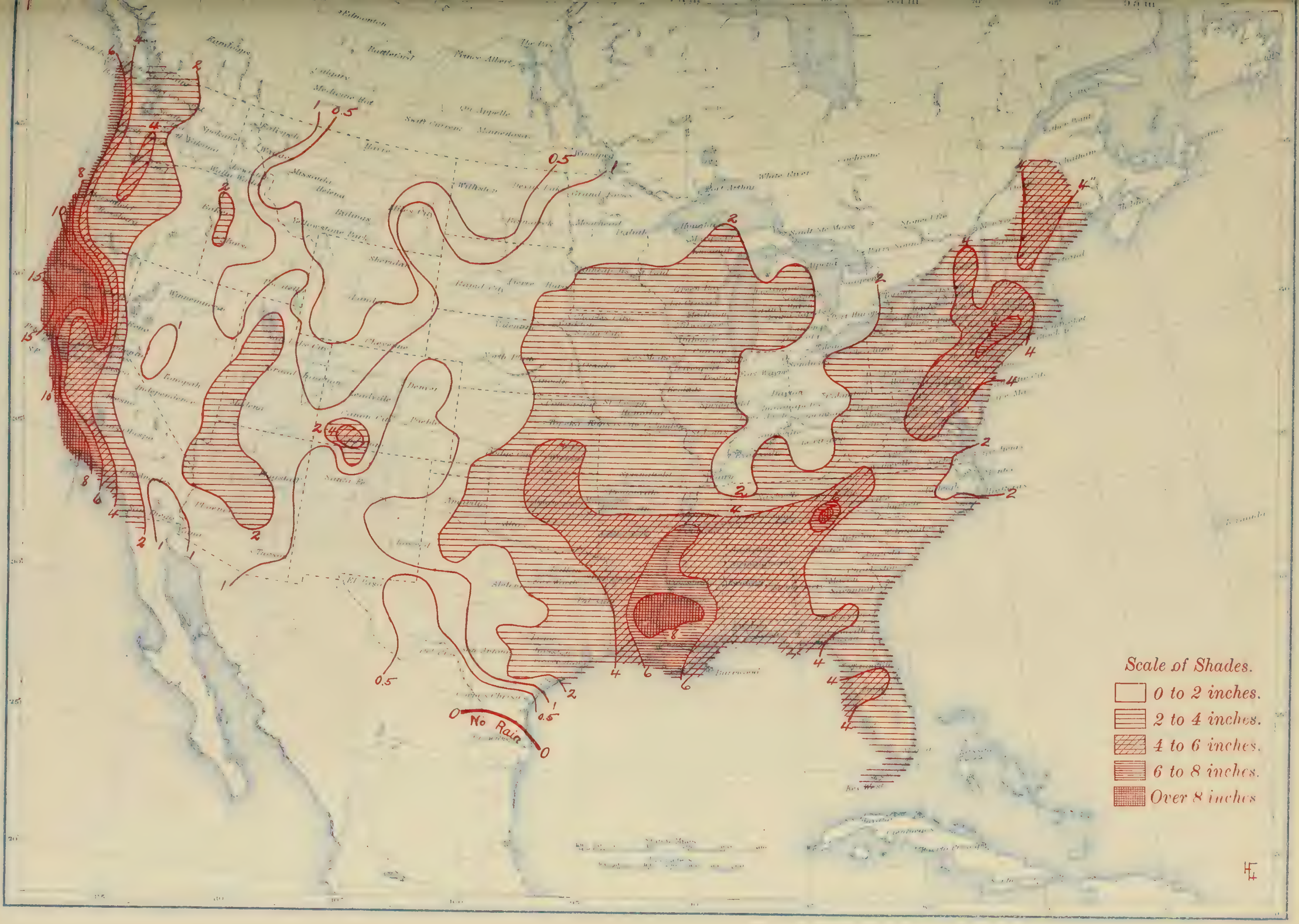
* Also nw.

Daily Temperatures for February, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	75	56	52	58	67	66	55	51	48	53	63	69	71	57	76	58	53	52	53	56	67	71	63	70	57	60	55	56				60.3
	Minimum	52	52	39	30	35	48	37	35	29	25	29	33	40	40	54	56	42	34	33	32	35	44	43	53	41	34	38	44				39.5
Beaufort	Maximum	65	63	48	55	65	67	55	54	49	53	62	69	70	65	70	60	59	53	51	55	62	...	69	69	65	60	54	53				[a] 60.0
	Minimum	52	53	42	35	48	48	40	38	32	32	37	39	44	50	54	47	44	35	35	35	40	...	49	55	47	40	44	44				[a] 42.9
Blackville §§	Maximum	75	67	57	66	61	64	56	53	51	55	65	73	71	77	71	51	55	57	57	60	70	75	63	70	57	62	59	55				62.6
	Minimum	52	51	37	31	41	35	34	31	27	25	26	33	39	43	54	50	40	32	31	30	31	40	52	54	38	31	40	45				38.3
Bowman	Maximum	70	65	60	66	62	68	66	60	52	58	64	70	72	75	80	55	58	52	52	56	64	70	72	73	55	60	57	55				63.1
	Minimum	60	52	32	35	45	48	35	32	25	21	24	32	35	50	52	42	40	31	30	28	27	35	50	55	45	42	33	40				38.1
Charleston	Maximum	69	63	53	55	66	66	54	52	48	52	57	71	66	63	73	61	50	52	49	52	57	62	61	69	56	59	54	50				58.6
	Minimum	60	53	41	38	52	52	41	38	33	36	40	46	47	54	55	50	42	36	34	36	41	48	53	49	42	39	46	42				44.4
Cheraw §§	Maximum	70	67	55	53	61	64	53	47	47	50	58	65	72	74	72	48	46	52	52	56	64	68	62	68	54	58	56	49				58.6
	Minimum	48	54	41	32	36	40	34	30	24	26	28	37	43	48	50	48	38	32	29	28	30	40	48	55	40	34	36	40				38.2
Conway §§	Maximum	72	66	53	57	65	69	54	48	47	51	60	67	70	72	72	58	46	53	53	58	65	69	64	70	51	...	60	54				[a] 58.0
	Minimum	56	58	44	36	41	45	39	30	27	26	28	33	36	45	48	52	41	33	30	28	29	34	42	58	42	37	...	37				[a] 37.7
Darlington §§	Maximum	71	68	36	59	63	62	55	57	50	52	59	67	71	75	74	50	46	54	54	59	65	71	65	71	58	61	61	52				60.2
	Minimum	39	54	40	30	36	42	34	28	22	25	21	30	33	40	49	49	38	31	28	24	25	31	42	51	38	33	35	40				35.3
Dillon	Maximum	70	70	61	56	63	69	59	49	49	51	61	68	71	73	77	60	48	51	52	57	67	72	63	73	59	62	59	52				61.5
	Minimum	48	56	42	32	37	44	28	28	24	26	25	31	35	44	55	47	39	32	29	27	28	33	43	56	40	33	36	41				37.1
Ferguson §§	Maximum	70	58	55	60	70	69	55	50	47	52	63	69	72	71	73	78	46	52	53	58	67	58	63	72	57	61	58	50				61.0
	Minimum	49	55	43	37	38	47	40	32	30	26	26	26	26	37	46	55	40	32	26	26	30	34	38	50	36	33	37	34				36.8
Florence §§	Maximum	68	60	55	57	64	69	58	49	49	49	62	69	72	74	74	52	43	52	50	56	69	71	73	61	56	60	60	51				60.8
	Minimum	41	55	42	34	36	41	35	30	25	28	26	28	34	38	50	52	39	33	30	29	28	31	36	49	39	34	40	40				36.5
Georgetown	Maximum	73	68	55	55	68	72	60	55	48	52	57	65	73	73	74	70	72	53	53	57	62	60	68	68	65	62	68	57				63.2
	Minimum	57	58	44	36	52	52	40	33	27	26	28	35	37	48	51	45	50	33	31	...	32	37	42	57	48	37	42	38				[a] 41.3
Kingstree §§	Maximum	70	60	59	61	69	70	56	51	49	52	58	59	73	75	64	60	56	51	49	57	58	67	69	55	58	60	59	55				60.0
	Minimum	49	55	40	35	40	45	47	37	29	26	25	28	35	47	52	47	41	33	27	29	35	36	47	48	35	35	40	39				38.6
St. George §§	Maximum	70	69	62	62	69	...	...	...	51	65	67	71	74	76	75	59	49	54	60	65	30	76	65	74	59	62	64	57				[c] 65.0
	Minimum	58	52	54	57	50	60	...	...	...	25	26	27	38	42	48	55	42	34	32	29	28	38	45	53	40	33	35	38				[c] 41.6
St. Matthews §§	Maximum	73	67	56	56	63	68	57	53	49	49	62	70	71	73	74	56	49	51	51	54	66	74	63	72	60	64	59	52				61.1
	Minimum	57	53	37	32	46	44	33	31	24	23	23	...	39	37	50	54	38	21	29	27	27	37	40	53	37	32	38	42				[a] 37.2
Society Hill §§	Maximum	69	63	57	62	67	63	54	48	49	60	67	70	75	73	67	62	59	57	57	57	65	71	66	68	64	60	56	56				62.2
	Minimum	52	39	29	37	43	32	26	21	25	21	30	33	42	48	47	37	31	28	24	25	31	38	55	37	29	33	36	36				34.5
Summerville	Maximum	73	70	63	60	70	69	62	54	50	54	64	71	73	74	71	64	50	54	52	57	66	71	62	74	65	62	56	54				63.1
	Minimum	65	53	41	33	43	52	37	31	27	26	29	35	38	46	51	49	43	33	31	30	31	43	49	58	40	33	38	43				40.3
Walterboro	Maximum	69	69	60	62	71	71	59	55	52	56	67	72	74	77	74	64	51	56	54	61	68	73	64	75	65	63	57	57				64.1
	Minimum	63	54	40	30	43	51	38	33	28	28	27	34	38	44	51	49	43	34	32	29	30	46	50	57	40	34	39	43				40.1
Yemassee §§	Maximum	71	69	53	60	69	69	56	53	51	56	64	69	70	75	74	60	54	54	51	60	68	72	62	73	54	61	57	60				62.4
	Minimum	48	51	41	28	29	42	36	34	28	23	28	34	38	37	50	56	43	33	33	30	30	41	51	54	40	33	40	37				38.1
Western Portion.																																	
Aiken	Maximum	69	64	53	57	65	62	51	50	46	51	50	66	68	69	71	59	52	53	53	54	65	70	66	67	56	60	55	50				59.1
	Minimum	57	49	34	30	41	42	31	30	25	29	31	39	45	47	49	49	37	31	29	28	35	43	50	48	36	30	40	42				38.5
Anderson	Maximum	63	59	54	57	49	56	52	53	50	53	58	63	68	64	59	58	46	54	49	52	60	69	61	61	59	63	60	52				57.2
	Minimum	25	42	32	30	38	33	31	28	24	27	28	34	44	48	51	44	34	30	29	29	31	45	50	39	36	29	38	36				35.2
Batesburg §§	Maximum	68	67	64	65	60	60	53	52	50	51	59	63	65	72	61	53	51	51	50	54	61	68	65	60	54	58	56	58				58.9
	Minimum	40	50	35	32	40	41	33	30	24	26	29	35	44	47	50	50	35	30	28	26	38	43	58	54	35	30	35	38				37.7
Camden §§	Maximum	68	67	67	66	63	66	56	55	47	47	45	59	66	70	74	70	54	53	52	51	55	63	70	63	61	60	72	50				60.4
	Minimum	39	54	30	30	32	26	47	24	24	23	24	25	25	32	33	36	53	41	40	40	30	31	56	56	56	50	50	41				37.4
Clemson College	Maximum	59	58	59	63	56	57	52	56	48	48	53	63	64	53	59	59	56	55	57	55	56	64	62	71	67	58	58	55				57.9
	Minimum	43	49	36	47	40	34	35	32	22	22	24	31	34	27	52	45	31	27	33	30	31	26	52	53	39	32	37	43				36.0
Columbia	Maximum	71	64	52	56	62	63	51	46	45	49	60	66	68	72	66	57	50	52	51	55	63	69	61	69	57	59	58	50				58.8
	Minimum	55	46	38	34	43	43	35	32	27	27	29	39	44	48	54	46	40	33	32	32	32	46	52	45	39	35	39	40				39.5
Greenville §§	Maximum	59	57	53	55	42	56	53	49	51	51	56	64	66	56	57	55	58	59	54	56	60	69	56	63	57	60	60	51				56.5
	Minimum	34	47	33	27	28	32	27	25	20	21	23	23	33	33	48	43	32	29	30	27	24	27	45	51	32	27	28	39				31.7
Greenwood §§	Maximum	66	60	51	55	57	59	52	48	50	51	60	62	68	66	60	56	56	55	52	55	62	68	58	62	59	60	59	48				57.7
	Minimum	36	50	35	29	30	40	32	30	22	23	25	26	37	40	52	48	36	31	29	27	27	30	44	51	37	30	30	38				34.5
Heath Springs	Maximum	67	62	57	49	58	56	50	48	39	66	58	52	66	69	65	58	49	48	52	67	67	65	60	56	57	58	48	45				56.9
	Minimum	46	51	38	31	36	34	32	30	22	28	30	38	28	41	51	47	30	29	26	39	32	34	48	55	54	38	37	35				37.2
Landrum	Maximum	58	59	50	50	48	59	51	51	44	46	55	65	65	56	57	55	54	55	55	52	57	66	61	65	55	56	56	51				55.4
	Minimum	36	45	40	32	34	30	29	22	24	21	21	39	34	43	51	41	27	26	28	27	25	48	50	48	36	33	36	37				34.4
Liberty	Maximum	59	57	52	53	48	54	52	52	48	48	55	63	65	69	58	56	50	56	50	53	59	67	59	62	55	58	57	51				55.9
	Minimum	48	45	34	28	37	32	33	30	20	22	23	36	37	38	48	44	36	30	30	33	25	45	52	50	38	29	35	40				35.6
Little Mountain	Maximum	67	62	52	55	60	61	53	48	46	50	60	63	68	71	65	58	50	52	51	55	62	69	64	67	57	59	58	52				58.4
	Minimum	49	50	36	30	40	42	33	31	36	29	33	51	45	50	54	49	36	30	29	28	31	52	51	51	36	32	38	40				39.7
Meriwether	Maximum	71	69	52	55	60	62	51	50	49	54	62	65	68	72	68	55	55	55	53	55	65	69	64	65	57	61	57	51				59.8
	Minimum	58	51	35	27	39	37	34	29	23	22	25	31	36	40	50	49	35	32	31	25	27	45	52	49	39	31	38	42				36.9
Monetta	Maximum	68	62	54	57	60	61	57	50	47	52	61	63	68	71	68	60	51	51	51	55	64	70	65	66	58	59	58	54				59.3
	Minimum	57	51	37	31	42	41	33	30	35	27	29	40	48	52	54	49	37	32	30	29	33	42	51	55	37	31	40	42				39.5
Newberry	Maximum	68	63	53	54	59	59	52	49	46	49	58	61	68	71	65	58	52	51	49	54	62	69	62	67	56	60	57	51				58.0
	Minimum	46	50	36	29	40	37	32	27	23	23	24	31	34	46	55	40	35	31	28	27	27	40	52	54	35	30	38	40				36.1
Saluda	Maximum	68	63	54	58	61	61	54	50	49	52	61	64	68	70	65	58	52	54	55	65	71	62	67	57	62	63	57	52				59.8
	Minimum	51	50	37	27	39	36	31	26	22	21	22	29	31	41	54	49	36	43	24	24	37	50	50	36	28	29	32	41				35.6
Santuck	Maximum	67	62	52	53	58	59	52	46	45	48	56	63	66	69	65	57	51	51	49	52	60	68	60	68	56	57	58	49				57.0
	Minimum	37	49	35	28	38	33	30	27	22	22	24	32	33	45	54	47	34	29	27	25	27	40	50	52	34	31	36	39				35.0
Spartanburg §§	Maximum	61	60	50	53	45	59	54	44	47	48	55	64	67	66	58	54	54	53	49	52	60	68	59	65	55	56	58	51				55.9
	Minimum	33	43	37	28	29	36	30	31	21	22	24	25	32	34	45	45	34	30	29	28	28	36	44	51	38	35	35	38				33.6
Trenton	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				...
Winnsboro	Maximum	55	63	50	58	57	60	55	65	45	45	48	63	65	71	68	65	55	50	45	53	65	68	58	68	57	58	55	50				57.3
	Minimum	45	42	35	30	32	30	30	32	25	21	28	40	45	48	42	50	35	30	25	35	35	35	48	45	35	32	33	35				35.6
Winthrop College	Maximum	68	62	53	53	58	60	53	54	43	47	55	64	66	69	65	58	49	49	49	52	62	62	68	57	56	56	53	53				56.9
	Minimum	36	50	39	30	35	38	30	30	21	25	25	38	39	47	54	48	35	30	28	26	30	50	54	35	30	35	28	38				35.9

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches
No Rain
0
0.5
1
2
4
6
8
10
15

[illegible]
UNIVERSITY OF ILLINOIS
[illegible]

05 Stack
c

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

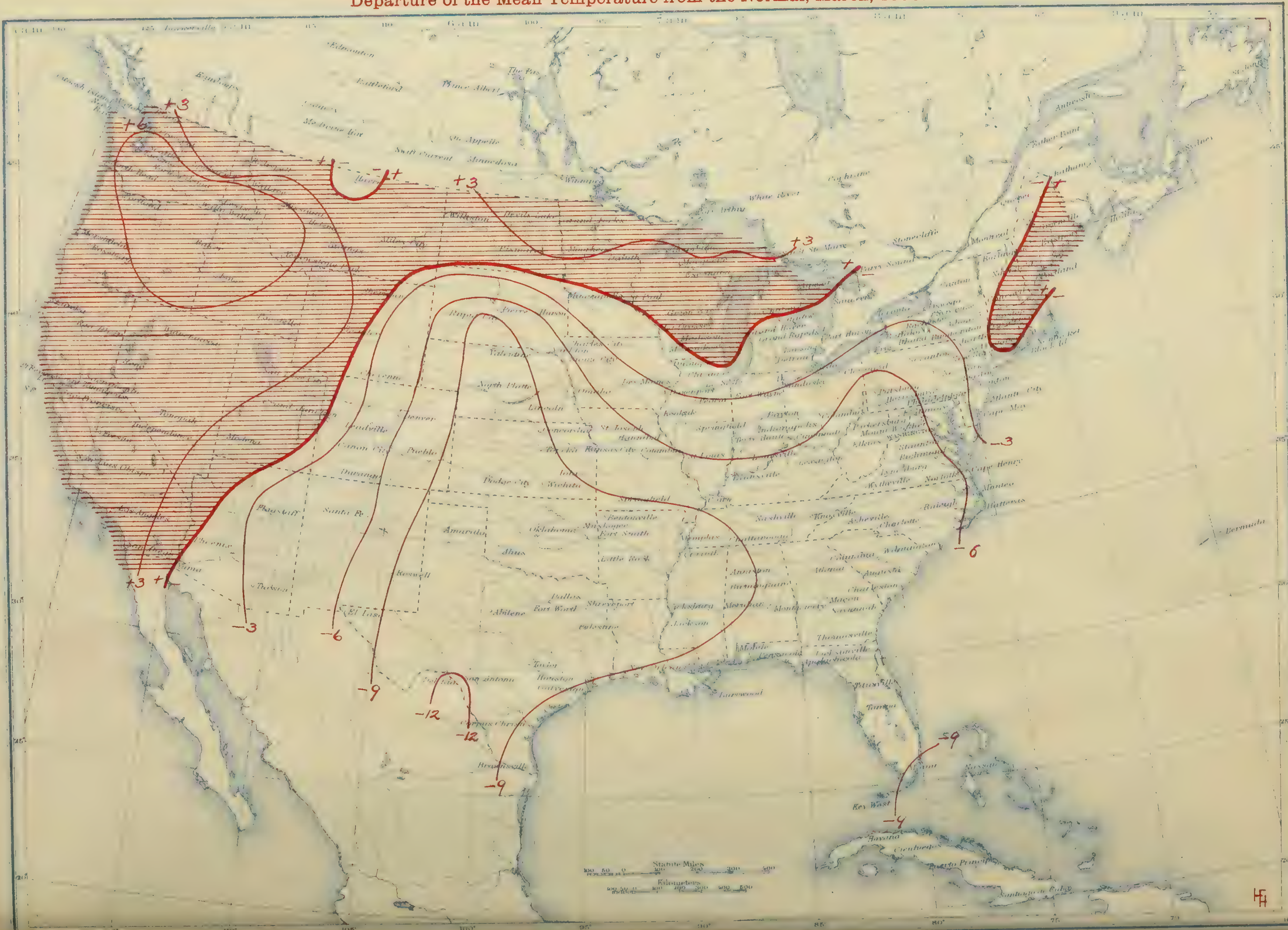
SOUTH CAROLINA SECTION

MARCH, 1915

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
May 1, 1915

Departure of the Mean Temperature from the Normal, March, 1915.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

Vol. XVIII. Columbia, S. C., March, 1915. No. 3.

GENERAL SUMMARY.

The records of the past 29 years show no previous March with weather so persistently cold. As a result of sustained low temperatures both day and night, the monthly mean was 3.7° below the March record and 2.3° below the mean of the preceding month. There were six periods during the month when the daily means averaged 5° to 17° below the daily normals, and but one short period of warm weather. Precipitation was considerably below normal. The cold weather of the 30th and 31st was attended by the latest spring snows of record, the southern limit of snow running along a line from Conway via Oaks, Ferguson and Bowman to Blackville. In consequence of the continued cold, the quickening of all vegetation was materially retarded, but comparatively little damage from frosts and freezes have been reported.

PRESSURE

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.00 inches. The highest pressure in the region covered by reports was 30.32 inches at Charlotte and Wilmington, N. C., on the 4th, and in the Section proper, 30.29 inches at Columbia on the 13th; lowest, 29.44 inches at Wilmington, N. C., on the 16th, and in the Section proper, 29.56 inches at Charleston and Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 40 stations, was 46.3° or 8.3° below the established normal. The highest temperature was 81° at Walterboro, Colleton County, on the 26th. The warmest period was confined to one day, the 26th, the only date with real summer weather. The lowest temperature was 22° at Liberty, Pickens County, on the 23rd. The coldest period of the month was generally between the 20th and 24th, when the daily means average 15° below normal.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section was as follows: 8 a. m., 73 per cent; 8 p. m., 58 per cent; for the month, 66 per cent. The highest average percentages occurred in the upper Savannah Watershed, and the lowest, over the north-central counties.

PRECIPITATION.

The average for the Section, 53 stations reporting, was 2.66 inches, or 1.26 inches below the established normal. The bulk of the rainfall was recorded between the 5th and 7th; during the periods, 16th and 17th, 20th and 21st and 27th to 31st, the amounts were light in quantity and rather scattered as to distribution. The greatest deficiencies occurred over the middle coastal plain, where the amounts ranged below 2 inches; over the northern Piedmont the measurements ranged from 3 to over 4 inches. The greatest local monthly amount was 4.10 inches at Winnsboro, Fairfield County; least amount, 1.45 inches at Blackville, Barnwell County, and Pinopolis, Berkeley County. The greatest amount locally during any 24 hours was 2.64 inches at Landrum, Spartanburg County, on the 5th. The number of rainy days was somewhat below normal.

WIND.

The prevailing winds were from the northwest. The average hourly velocity, determined from 7 anemometer records, was 9.0 miles per hour. In the Section proper the averages were 7.6 miles per hour at Columbia and 11.1 miles per hour at Charleston. The highest velocity for any 5-minute period in the region covered by reports was 44 miles per hour from the northwest at Savannah, Ga., on the 16th, and in the Section proper, 35 miles per hour from the northeast at Charleston on the 4th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 231.6 hours, or 62 per cent of the possible amount. The average number of clear days was 15; partly cloudy, 8, and cloudy, 8, as against normals of 14, 8 and 9 days, respectively.

RIVER CONDITIONS.

Moderately heavy rains in the Catawba Watershed on the 5th and 6th were followed by a freshet in the Wateree River on the 6th and 7th. The Santee River, after having been in flood practically the entire time since early December, 1914, fell below flood stage at Rimini on the 18th and at Ferguson on the 22d. Unavoidable losses due to high water were estimated at about $400, while movable property saved by warnings of the Weather Bureau was reported as having a value of $15,780. The remaining rivers of the Section showed no marked rises, except during the first few days of the month.

MISCELLANEOUS PHENOMENA.

Fogs, dense (dates).—Charleston, 15, 29; Cheraw, 28; Liberty, 1, 28.

Hail (dates).—Clemson College, 3; Landrum, 16; Liberty, 5.

Halos (dates).—*Lunar:* Charleston, 2, 26; Florence No. 2, 28; Liberty, 4. *Solar:* Charleston, 2, 3, 18; Columbia, 3; Santuck, 15.

Thunderstorms (dates).—Landrum, 7; Liberty, 5, 26.

Sleets (dates).—Sleet was reported from numerous stations during the rain, sleet and snow storms of the 5, 7, 20, 22, 30 and 31.

Errata -February, 1915.

Bowman. Highest temperature date (page 12), should be 15.

Camden.—Highest temperature date (page 12), should be 15.

Conway.—Mean temperature (page 12), should be *49.6; mean maximum (page 14), should be *60.1; mean minimum (page 14), should be *39.1.

Ferguson—Highest temperature date (page 12), should be 16.

Florence No. 1. Mean temperature (page 12), should be 48.6.

Spartanburg.—Highest temperature date (page 12), should be 22. Greatest 24-hour precipitation (page 12), should be 1.33.

Yemassee.—Highest temperature date (page 12), should be 14.

MISCELLANEOUS DATA FOR MARCH, 1915.

Stations.	Barometer—sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Sunshine—total hours.	Relative humidity per cent.	Wind.	
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.			Average hourly velocity miles.	Prevailing direction.
Asheville, N. C.	30.02	36.8	63	20	2.00	0.67	200.9	66	8.5	nw.
Augusta, Ga.	30.01	47.3	76	29	2.08	1.12	235.0	70	7.1	nw.
Charleston, S. C.	29.98	49.6	74	34	2.83	2.42	263.5	69	11.1	nw.
Charlotte, N. C.	29.99	43.1	68	27	3.44	1.60	206.5	61	7.1	sw.
Columbia, S. C.	30.00	46.6	76	30	2.33	1.20	222.9	58	7.6	nw.
Savannah, Ga.	30.00	51.8	77	35	2.06	1.40	241.1	68	13.8	nw.
Wilmington, N. C.	29.97	46.4	75	31	2.18	0.85	251.6	69	7.7	w.
Means and extremes	30.00	45.9	77	20	2.42	2.42	231.6	66	9.0	nw.

Climatological Data for March, 1915.

Stations	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of days. With precipit'on. (0.01 in. or more)	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Eastern Portion.																				
Allendale	Barnwell	186	26	44.7	−12.9	78	26	29	23	35	1.46	−2.33	0.63	0	6	9	6	16	e.	H. G. Harris.
Beaufort	Beaufort	21	28	[a]50.4	− 8.7	70	† 29	[a] 35	† 8	30	2.79	−0.86	2.39	0	3	20	7	4	nw.	Miss Lillian H. Rice.
Blackville	Barnwell	296	26	48.4	− 9.6	79	26	25	23	38	1.45	−2.17	0.72	T.	8	14	6	11		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	12	47.6	−10.5	80	26	24	23	50	1.70	−2.09	0.85	T.	5	18	8	5	w.	B. O. Evans.
Charleston	Charleston	48	44	49.6	− 7.6	74	26	34	23	25	2.83	−0.89	2.42	0	6	13	11	7	nw.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	25	44.4	− 9.5	76	26	28	† 9	36	3.29	−0.43	1.53	4.0	7					J. H. Powe.
Conway	Horry	25	29	[a]45.6	−11.3	77	26	[a] 24	31	44	2.97	−0.75	0.85	T.	7					Paul Quattlebaum.
Darlington	Darlington	175	19	45.2	−11.1	78	26	24	† 2	38	3.22	−0.19	0.80	1.5	8	16	3	12		D. C. McCall.
Dillon	Dillon	100	11	[b]45.7	−10.6	[b] 73	26	[a] 25	18	[b]42	3.06	−0.41	1.55	2.0	6					A. E. Rowell.
Edisto ‡‡	Bamberg	143	27								1.67	−2.39	0.92	0	7					Nathan Jenkins.
Effingham	Florence	106	22								2.72	−1.35	1.24	T.	6					H. B. McCall.
Ferguson	Orangeburg	63	29	47.3	− 9.0	78	26	26	2	44	2.32	−1.12	0.70	T.	7					Joseph P. Simons.
Florence 1	Florence	136	26	45.2	−10.8	72	26	27	18	37	3.32	+0.27	0.98	T.	7					H. K. Gilbert.
Florence 2	Florence	136									2.85	−0.20	1.50	1.4	8	18	9	4	nw.	PeeDeeExperimentStation.
Georgetown	Georgetown	12	20	47.6	−10.3	80	26	29	18	44	2.18	−1.30	1.38	0	3	16	13	2	n.	A. P. Hazard.
Kingstree	Williamsburg	54	26	44.8	−12.6	68	† 15	24	18	33	2.54	−0.91	0.85	0	7	17	1	13	nw.	A. O. Matthews.
Oaks	Georgetown							[q] 24	18											O. M. Mitchell.
Pinopolis **	Berkeley	54	21	47.1	− 9.6	68	29	32	9		1.45	−2.26	0.75	0	3	19	5	7	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	5								2.16		0.60	T.	6					William B. Wolfe.
St. George	Dorchester	109	26	48.4	− 9.5	80	26	26	† 23	44	1.49	−0.96	0.51	0	10					Geo. N. Snelling, M. D.
St. Matthews	Calhoun	269	26	47.9	− 8.2	80	26	[a] 25	23	40	1.71	−1.85	0.60	0.5	6	4	15	12		J. S. Wannamaker.
Smiths Mills	Georgetown	62	19								2.18	−1.64	0.90	0	7					W. G. Walker.
Society Hill	Darlington	192	23	46.0	− 9.2	79	25	24	1	47	3.30	−0.03	1.00	4.0	10	10	18	3	nw.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	17	49.0	− 9.7	79	26	27	9	45	1.95	−1.48	1.10	0	6	7	22	2	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	12	49.8	−11.0	81	26	27	23	52	1.91	−1.99	1.15	0	6	18	9	4		J. A. Westerberg.
Yemassee	Hampton	24	19	48.0	−10.2	79	26	25	23	47	2.30	−1.27	0.78	0	6	19	4	8	nw.	J. G. Hutson.
Division means and extremes				47.2	−10.2	81	26	24	† 2	52	2.35	−1.19	2.42	0.4	6	15	9	7	nw.	
Western Portion.																				
Aiken	Aiken	527	20	47.7	− 8.5	72	26	24	23	43	1.85	−2.16	0.75	2.0	6	11	16	4	w.	W. M. Brown.
Anderson	Anderson	764	13	45.2	− 1.0	78	26	24	23	42	2.71	−1.87	1.26	0.2	10	17	0	14	w.	H. H. Russell.
Batesburg	Lexington	656	26	47.9	− 7.2	76	27	24	22	44	2.41	−2.15	0.89	0.8	7	22	0	9	s.	E. J. Hite.
Blairs	Fairfield	293	11								3.60	−0.08	0.87	1.0	10					J. N. Owens.
Calhoun Falls	Abbeville	508	22								2.16	−2.66	1.01	1.0	6					L. M. Parker.
Camden	Kershaw	222	48	45.2		78	26	25	23	43	2.67	−1.18	0.94	2.5	7	19	3	9	ne.	W. C. Brown.
Catawba	York	562	9								4.01	−0.40	2.36	3.0	10					James C. Faris.
Chappells	Newberry	402	11								2.83	−0.82	1.03	0.8	10					J. J. Murran.
Clemson College	Oconee	850	23	46.8	− 6.1	72	26	25	18	43	3.28	−1.56	1.88	1.2	6	20	4	7	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	28	46.6	− 7.4	76	26	30	2	29	2.33	−1.37	1.20	0.7	10	15	3	13	nw.	U. S. Weather Bureau.
Edgefield††	Edgefield		1								2.25		1.15	0.8	7					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	2								3.81		1.33	2.0	9					Harry A. Parshall.
Greenville	Greenville	989	22	43.8	− 9.6	76	26	22	23	43	2.93	−2.57	0.65	2.0	9	15	7	9	nw.	Spartan Goodlette.
Greenwood	Greenwood	671	26	44.2	− 9.2	75	26	27	23	40	2.41	−1.66	0.80	1.0	10	20	0	11	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	13	43.5	−10.6	74	26	27	9	36	3.52	−0.15	2.00	T.	6	11	12	8	w.	J. Marvin Bowers.
Landrum	Spartanburg	1063		44.6		74	26	25	† 18	41	3.26		2.64	1.4	9	16	10	5		R. Hartwell Wilds, D. D. S.
Liberty	Pickens	900	20	44.4	− 8.4	73	26	22	23	42	3.12	−2.29	1.32	7.0	11	11	12	8	sw.	John T. Boggs.
Little Mountain	Newberry	711	21	46.5	− 9.6	77	26	27	9	41	2.76	−1.11	1.15	2.0	7	17	6	8	w.	J. M. Sease, M. D.
Meriwether	Edgefield		11	47.2	− 9.6	77	26	25	† 18	46	2.80	−1.66	1.62	1.0	6	7	14	10		William S. Middleton.
Monetta	Saluda	400	8	46.8		76	26	26	† 18	42	2.05		0.96	0.8	8	12	15	4	sw.	Joseph M. Johnson.
Newberry	Newberry	502	27	45.6	− 9.0	77	26	24	18	46	3.32	−1.35	1.45	2.0	8	7	13	11	sw.	Warren G. Petterson.
Pelzer	Anderson	850	11								3.00	−0.90	1.28	0.5	8					Joshua Y. Jones.
Saluda	Saluda	536	12	45.8	−11.4	76	26	23	† 9	47	2.75	−1.47	1.04	1.0	9	21	4	6	w.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	20	44.5	− 9.1	76	26	25	† 18	42	3.85	−0.61	1.71	1.8	9	14	9	8	w.	E. W. Jeter.
Spartanburg	Spartanburg	875	23	43.6	− 8.0	72	26	24	18	35	3.09	−1.71	1.66	2.0	9					F. P. Robinson.
Trenton	Edgefield	620	21																	
Winnsboro	Fairfield	545	25	43.4	−10.2	75	26	24	23	42	4.10	−0.04	1.50	1.5	7	16	9	6	nw	J. W. Seigler.
Winthrop College ‡‡	York	690	14	44.2	− 9.7	73	26	26	23	40	3.31	−0.75	2.25	2.0	5	6	19	6	nw.	W. P. Goodman.
Division means and extremes				45.4	− 6.2	78	26	22	23	47	2.97	−1.32	2.64	1.7	8	15	8	8	w.	
State means and extremes				46.3	− 8.3	81	26	22	23	52	2.66	−1.26	2.64	1.0	7	15	8	8	nw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.
T Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for March, 1915.

Stations.	Watershed.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ||||	Savannah	.09				.63	.23		.03																							.48	1.46
Beaufort	Coast					2.39																										.40	2.79
Blackville ||||	Edisto	.03				.50	.22	.03														.05						.02	.07			.53	1.45
Bowman	do	T.				.44		.24									.11				.06		T.									.85	1.70
Charleston ***	Coast	.02				2.42		T.									T.				.04							.04			.04	.27	2.83
Cheraw ||||	Pedee					.91	.62	.10	.07									.28			T.	.10						.32	.01			.88	3.29
Conway ||||	Waccamaw					.85	.68	.06	.10									T.				.11						.20	.15			.80	2.95
Darlington ||||	Pedee					.66	.55	.15	.11									.30						T.				.60	.05			.80	3.22
Dillon	Little Pedee					1.55	.28										T.	.21			.04										.19	.79	3.06
Edisto ||||	Edisto					.55	.37										.06					.02							.15			.52	1.67
Effingham ||||	Lynches					.86	.38	T.	.18									.20										.50				.60	2.72
Ferguson ||||	Santee					.38	.54	.50	.12							.08																.70	2.32
Florence 1 ||||	Pedee					.94	.58	.12	.09									.23										.38				.98	3.32
Florence 2	do					1.50		.17	.05								T.	.02			.91		T.					.30			.30	.50	2.85
Georgetown	Coast	T.				1.38		.10										T.										T.	T.			.70	2.18
Kingstree ||||	Black					.62	.53		.08							.11		.15											.20			.85	2.54
Oaks	do																	.05			.02							.10	.18			.70	
Pinopolis	Cooper					.63																						.07			.75		1.45
Rimini ||||	Santee					.56	.64	.03	T.								.02											.11	.20			.60	2.16
St. George ||||	Edisto	.08				.45	.33	.02									.02												.08			.51	1.49
St. Matthews ||||	Santee					.55	.22																					.14	.20			.60	1.71
Smiths Mills ||||	Pedee					.60	.30	.05	.15									.10				.05						.18	.15			.60	2.18
Society Hill ||||	do				1.00	.40	.30	.20										.15			.05						.34	.08			.73	.05	3.30
Summerville	Ashley	.35				1.10		.03									T.				T.								.02		.03	.42	1.95
Walterboro	Ashepoo	.20				1.15		.02									T.				T.								.05		.04	.45	1.91
Yemassee ||||	Combahee	.54				.55	.78		.01													.01							T.			.41	2.30
Western Portion.																																	
Aiken	Edisto	.05				.75															.15							.15			.20	.55	1.85
Anderson	Savannah	.14				1.26		.14									.12				.24							.19			.33	.29	2.71
Batesburg ||||	Edisto	.12				.43	.89	.18																.21					.26			.32	2.41
Blairs ||||	Broad	.05				.87	.62	.12	.06								.11	.14			.14	.20						.39				.90	3.60
Calhoun Falls ||||	Savannah					.98	.03														.21	.09						.46				.39	2.16
Camden ||||	Wateree					.94	.53	.07										.12				.03						.40	.10			.48	2.67
Catawba ||||	Catawba	.07				1.28	1.08	.15	.02								.02	.24			.08	.21						.20	.03			.63	4.01
Chappells ||||	Saluda	.04				1.03	.32	.07													.03							.37				.97	2.83
Clemson College	Savannah	T.			*	1.88		.15									T.			T.	.65						T.		.02		*	.58	3.28
Columbia ***	Congaree				.03	1.17	T.	.02									.02	.01			.03						.02	.62			.14	.27	2.33
Edgefield ||||	Savannah		.20			.80	.35										.10												.25			.55	2.25
Gaston Shoals ||||	Broad					1.33	.84	.04	.20								.13	.05			.24	.23		T.				.12	.06			.57	3.81
Greenville ||||	Saluda	.06				.90	.56	.09	T.								.21				.43	.23						.20			T.	.25	2.93
Greenwood ||||	do	.22				.80	.42	.11													.20							.56				.10	2.41
Heath Spring	Wateree					2.00		.20										.23			.16							.23				.70	3.52
Landrum	Broad					2.64		.04									.28	T.		T.	.04		.02				.06	.10			.06	.02	3.26
Liberty	Savannah	.02			.02	1.30		.20									.20			.10	.65						.10	.02	T.		.01	.50	3.12
Little Mountain	Saluda					1.15		.05									.06				.20							.50			.30	.50	2.76
Meriwether	Savannah	.20			T.	1.62		.02									T.				T.							.25			.21	.50	2.80
Monetta	Edisto	.12			T.	.96		.03									.05				.07							.20	T		.20	.42	2.05
Newberry	Saluda	.01			T.	1.45		.10									.18	T.		T.	.25							.53	T.		.34	.46	3.32
Pelzer ||||	do	.14				.82	.46	.20									.16				.26	.18						.20	.04			.54	3.00
Saluda	do	.10				1.04		.07									.13	.02			.17							.50			.30	.42	2.75
Santuck	Broad	.22				1.71		.13									.21			T.	.38						T.	.33			.33	.54	3.85
Spartanburg ||||	do	T.				1.08	.58	.04									.15	T.			*	.42	T.					.13	T.		T.	.69	3.09
Trenton	Edisto																																
Winnsboro	Broad					.35	1.50	.10													.75						T.	.25			.75	.50	4.10
Winthrop College	Catawba					2.25		.30													.46							.10				.20	3.31

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR MARCH.

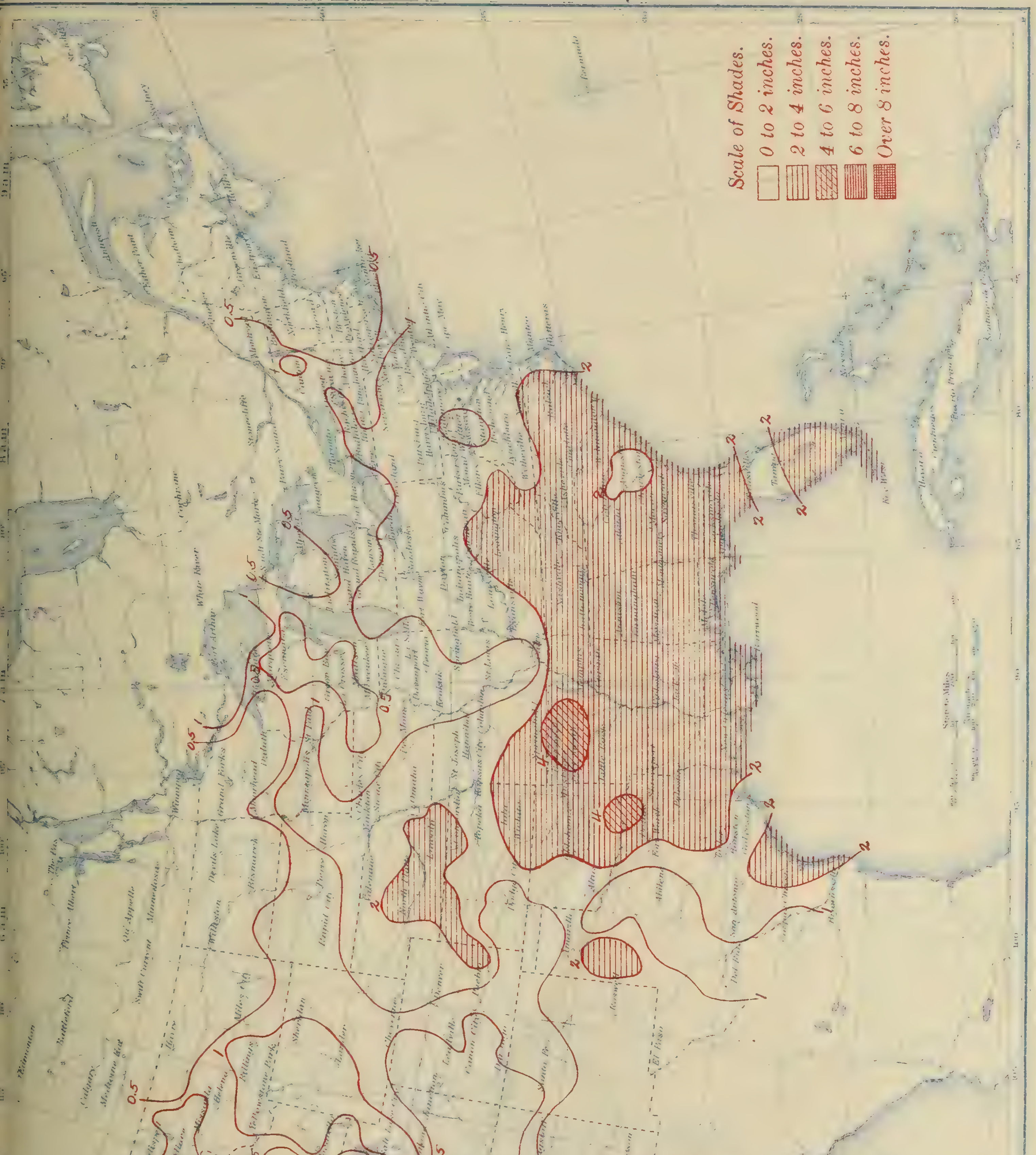
Year.	Temperature.			Precipitation.		Average number of days—			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	51.4	82	23	1.85	7				
1888	52.1	80	19	6.71	9				sw.
1889	51.6	77	20	3.41	9				w.
1890	52.5	85	11	2.96					sw.
1891	50.0	78	20	7.88					ne.
1892	52.8	78	23	3.78					nw.
1893	53.9	85	18	2.22	9	13	9	9	sw.
1894	59.3	90	15	2.08	7	15	11	5	sw.
1895	53.5	90	24	5.71	11	12	8	11	sw.
1896	53.1	93	19	2.12	5	14	10	7	sw.
1897	56.4	92	21	4.54	12	7	9	15	sw.
1898	59.1	92	22	2.99	7	11	9	11	ne.
1899	55.2	89	12	3.89	9	12	10	9	sw.
1900	51.6	79	22	4.22	9	12	8	11	sw.
1901	53.4	86	10	4.36	8	14	8	9	sw.
1902	54.0	86	19	4.08	10	14	7	10	sw.
1903	60.4	84	26	5.92	10	7	9	15	ne.
1904	56.2	87	23	3.42	9	13	9	9	ne.
1905	57.8	93	28	2.15	6	15	6	10	ne.
1906	51.6	82	18	5.34	10	13	6	12	w.
1907	62.0	99	20	1.57	5	15	10	6	sw.
1908	61.4	90	29	4.56	8	15	8	8	sw.
1909	54.1	90	27	4.80	11	14	8	9	sw.
1910	59.4	93	22	1.38	4	21	6	4	sw.
1911	54.9	90	22	2.30	7	17	8	6	w.
1912	53.2	88	15	6.79	10	14	5	12	ne.
1913	56.9	88	22	7.40	10	13	5	13	w.
1914	50.2	91	12	2.59	8	14	9	8	w.
1915	46.3	81	22	2.66	7	15	8	8	nw.
Period	54.6	99	10	3.92	8	14	8	9	sw.

Daily Temperatures for March, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	55	57	58	55	46	47	37	35	38	45	46	43	43	50	59	45	40	57	68	52	59	50	54	59	68	78	56	60	71	66	44	52.6
	Minimum	39	34	34	38	34	36	37	33	30	36	38	37	35	38	38	41	39	30	37	41	33	37	26	32	33	44	48	40	40	43	36	36.8
Beaufort	Maximum	53	57	58	52	67	60	58	55	55	56	62	61	58	....	63	56	58	56	66	59	58	54	55	57	66	65	58	59	70	63	50	[a] 58.8
	Minimum	40	40	44	45	46	43	48	35	35	38	45	41	48	....	44	44	40	37	42	45	37	39	35	36	40	48	52	42	48	46	39	[a] 42.1
Blackville §§	Maximum	57	59	60	57	58	62	53	56	60	65	67	66	69	69	71	50	60	60	69	55	60	49	55	62	70	79	48	69	74	69	49	61.2
	Minimum	40	32	36	36	41	35	38	30	28	32	36	35	34	36	37	43	37	27	39	38	30	34	25	29	32	46	44	38	38	44	33	35.6
Bowman	Maximum	60	62	60	55	62	62	55	56	57	62	63	62	65	68	70	56	60	65	70	68	65	54	60	68	70	80	70	68	70	60	50	63.0
	Minimum	30	28	30	32	35	33	35	28	25	30	30	30	32	33	35	38	37	25	35	37	27	32	24	27	30	45	40	35	33	35	33	32.2
Charleston	Maximum	54	53	53	50	63	59	58	52	53	53	59	60	53	63	59	59	57	56	64	64	58	50	55	54	64	74	60	55	70	59	49	57.7
	Minimum	42	38	43	45	45	41	41	35	36	40	42	42	42	46	43	44	42	37	48	41	37	40	34	36	42	49	42	42	48	47	38	41.5
Cheraw §§	Maximum	53	55	58	52	46	54	52	49	52	58	59	56	57	62	64	53	48	52	59	40	55	47	54	56	67	76	40	56	66	46	48	54.5
	Minimum	34	30	32	34	33	36	34	32	28	30	36	34	32	34	36	44	35	28	34	38	28	36	28	30	36	46	40	34	36	43	32	34.3
Conway §§	Maximum	56	56	60	58	60	57	56	42	51	57	61	58	59	65	67	60	47	51	66	53	48	47	55	59	67	77	46	60	68	52	46	56.9
	Minimum	40	28	34	37	36	42	39	35	31	30	32	31	29	32	34	39	37	27	33	39	31	34	28	30	33	45	43	36	36	....	24	[a] 34.2
Darlington §§	Maximum	57	56	63	56	52	57	56	52	55	60	62	60	60	62	68	57	49	55	65	45	57	48	55	61	68	78	47	58	68	50	59	57.6
	Minimum	39	24	28	32	33	34	35	32	27	26	30	30	28	33	30	41	36	24	34	40	28	35	28	30	31	46	40	34	33	45	31	32.8
Dillon	Maximum	55	56	61	56	56	57	55	49	54	60	62	58	59	65	68	58	49	55	65	57	57	48	55	60	69	73	64	....	....	58	48	[b] 58.2
	Minimum	42	26	30	34	34	36	33	34	30	29	32	33	29	32	33	41	35	25	33	40	29	34	27	28	31	49	36	....	33	35	32	[a] 33.2
Ferguson §§	Maximum	55	58	58	58	62	60	58	52	54	60	63	60	62	66	69	56	55	56	67	56	58	48	55	59	67	78	63	59	70	58	47	59.6
	Minimum	40	26	29	35	40	32	38	35	28	29	35	35	32	32	37	37	42	31	31	40	42	35	27	28	32	34	45	42	40	40	36	35.0
Florence 1 §§	Maximum	55	57	62	56	47	56	58	50	51	61	64	60	62	65	65	53	47	56	66	45	53	44	57	64	69	72	43	57	67	49	44	56.6
	Minimum	41	28	29	30	35	35	38	33	29	31	31	35	31	34	36	40	37	27	31	41	31	31	29	31	32	41	42	35	35	39	32	33.9
Georgetown	Maximum	52	52	58	53	62	58	56	52	52	60	62	60	58	67	67	58	54	57	55	66	60	58	58	60	68	80	68	60	71	65	45	59.7
	Minimum	41	35	31	38	44	40	39	34	31	31	31	32	32	34	42	40	39	29	36	35	32	33	31	32	36	36	36	37	40	38	34	35.5
Kingstree §§	Maximum	54	58	55	59	58	57	58	50	50	52	58	59	60	64	68	59	59	57	60	50	50	49	56	55	60	68	49	59	60	49	49	56.2
	Minimum	35	29	35	35	39	35	36	37	30	30	31	33	30	33	37	39	39	24	34	35	29	30	27	30	32	40	45	37	35	30	29	33.5
Oaks	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	50	57	67	....	....	....	56	60	67	....	....	63	69	68	52	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	38	24	30	37	....	36	25	30	30	30	42	37	35	40	34	....
St. George §§	Maximum	52	48	62	55	65	60	59	55	58	60	61	63	66	69	72	50	59	56	69	65	61	59	58	58	70	80	75	63	73	65	57	62.0
	Minimum	42	38	28	34	43	38	39	33	27	30	30	32	31	34	39	44	40	31	28	39	27	29	26	29	26	43	46	40	36	41	36	34.8
St. Matthews §§	Maximum	57	60	60	56	55	59	57	54	55	64	67	62	63	67	70	54	58	60	69	59	62	53	59	63	71	80	60	60	71	54	47	60.8
	Minimum	39	26	31	34	38	35	35	33	37	29	34	33	29	34	34	45	36	37	37	39	30	35	25	29	34	46	40	34	37	44	....	[a] 35.0
Society Hill §§	Maximum	58	63	58	49	58	56	52	54	61	62	63	59	65	68	60	55	58	65	59	59	45	57	63	68	79	63	59	69	59	52	60	59.8
	Minimum	24	29	34	33	36	33	31	26	26	29	35	27	33	33	36	35	25	34	37	28	34	25	30	32	45	39	32	31	43	31	29	32.1
Summerville	Maximum	56	57	60	54	64	63	59	55	56	62	64	61	63	68	69	58	58	57	68	62	60	54	56	61	68	79	69	64	70	66	47	61.5
	Minimum	40	31	31	38	46	39	40	32	27	30	35	34	33	36	40	42	41	30	37	40	31	33	28	29	31	44	47	39	40	43	37	36.5
Walterboro	Maximum	57	59	61	56	69	61	59	57	59	65	67	64	65	69	72	56	61	59	70	61	62	54	58	61	70	81	75	64	73	71	50	63.4
	Minimum	40	30	35	37	46	38	39	32	28	31	36	35	33	35	41	43	41	28	38	39	29	33	27	29	29	43	49	40	36	41	37	36.1
Yemassee §§	Maximum	56	60	60	54	72	61	59	55	57	65	66	63	62	68	69	56	55	58	69	58	59	50	55	59	68	79	63	59	71	69	45	61.3
	Minimum	38	30	38	35	39	37	36	30	26	33	35	37	34	34	37	46	40	28	35	37	28	30	25	28	30	32	45	39	40	39	36	34.7
Western Portion.																																	
Aiken	Maximum	55	56	58	51	52	61	55	....	....	....	64	62	63	65	68	60	56	60	61	60	59	58	54	59	68	72	71	55	70	64	46	[c] 60.2
	Minimum	36	34	32	38	38	33	41	....	....	....	35	35	35	40	36	40	34	36	38	39	30	27	24	25	34	46	40	37	36	36	31	[c] 35.2
Anderson	Maximum	58	54	60	49	42	55	52	54	60	61	65	62	62	67	66	54	55	56	56	50	55	48	54	59	68	78	59	59	70	54	54	57.9
	Minimum	35	29	32	35	32	31	36	28	27	35	33	31	33	36	37	38	32	25	37	32	28	26	24	26	36	44	36	36	39	32	30	32.6
Batesburg §§	Maximum	53	53	53	55	58	55	50	53	62	60	58	61	63	62	64	62	61	63	65	59	49	57	60	70	70	65	76	72	71	62	48	60.3
	Minimum	44	27	30	35	35	36	42	30	35	34	32	32	38	39	40	42	35	31	36	46	30	24	25	35	45	48	35	32	36	45	31	35.5
Camden §§	Maximum	55	56	61	56	54	49	57	52	52	61	62	59	60	62	67	53	51	56	64	46	58	49	55	59	69	78	43	53	68	49	50	57.2
	Minimum	39	28	29	29	32	33	38	33	26	27	27	30	31	34	44	47	39	36	35	33	32	31	25	26	30	35	42	38	32	33	33	33.2
Clemson College	Maximum	58	57	56	56	49	65	64	52	55	59	63	61	69	62	62	61	53	68	63	58	51	50	52	60	68	72	63	57	68	68	48	59.6
	Minimum	37	26	29	34	36	37	42	33	26	31	29	30	32	35	31	45	37	25	35	39	30	29	26	30	40	45	41	39	33	38	34	34.0
Columbia	Maximum	55	56	59	53	46	60	53	51	63	61	61	58	61	62	66	52	54	55	64	50	56	48	52	57	67	76	51	53	68	57	49	56.9
	Minimum	37	30	34	38	37	34	39	32	30	35	35	36	36	41	39	38	37	32	42	36	32	35	30	31	38	50	38	38	42	36	33	36.2
Greenville §§	Maximum	57	53	62	49	37	59	51	51	61	61	65	62	60	67	63	48	56	53	57	46	53	49	51	58	68	76	42	60	67	44	55	56.2
	Minimum	35	27	28	31	33	33	37	29	28	32	29	30	31	32	34	34	34	24	31	34	26	27	22	27	32	33	40	37	33	39	31	31.4
Greenwood §§	Maximum	55	54	59	51	38	59	52	41	57	61	62	61	62	66	65	48	54	55	58	45	54	49	51	57	67	75	43	56	66	47	50	55.7
	Minimum	35	30	30	35	35	29	30	30	29	31	34	32	30	31	33	39	34	39	33	38	30	28	27	28	29	35	41	35	37	41	31	32.7
Heath Spring	Maximum	54	52	50	49	42	42	43	47	52	55	57	63	64	51	47	48	45	49	48	50	50	46	49	55	62	74	48	50	56	50	45	51.7
	Minimum	36	29	34	34	32	35	32	30	27	30	34	31	38	42	34	39	40	38	39	32	30	32	28	30	38	42	45	48	47	35	32	35.3
Landrum	Maximum	56	54	49	51	45	58	53	47	58	59	61	62	57	68	62	55	48	54	62	52	49	47	51	27	67	74	51	57	72	57	52	56.7
	Minimum	34	32	36	33	32	33	36	32	30	32	36	34	29	33	37	39	33	25	30	31	29	25	27	30	37	42	35	31	32	31	30	32.6
Liberty	Maximum	56	53	59	52	45	59	51	51	58	61	63	61	62	66	63	59	52	53	57	51	51	48	42	48	67	73	59	59	62	54	52	56.4
	Minimum	36	29	27	35	34	37	38	29	26	32	32	27	31	33	30	42	35	33	33	32	27	26	22	25	35	47	39	34	35	33	32	32.5
Little Mountain	Maximum	54	55	59	57	51	58	54	51	54	60	62	59	62	61	66	58	54	54	62	55	50	49	52	58	68	77	68	52	67	60	44	58.2
	Minimum	36	24	32	35	51	33	42	31	27	36	35	33	35	38	37	42	37	31	30	35	31	30	28	29	36	48	38	37	37	33	32	34.8
Meriwether	Maximum	61	55	59	58	50	62	59	54	60	65	64	63	64	66	69	58	57	57	67	58	58	54	53	60	68	77	68	61	71	62	49	60.9
	Minimum	31	27	32	33	39	34	41	30	26	40	32	28	33	37	34	42	36	25	34	38	28	30	25	27	31	45	41	39	34	38	32	33.6
Monetta	Maximum	54	55	58	54	49	59	57	51	54	61	61	59	62	62	67	62	55	55	64	62	55	52	51	57	67	76	71	54	67	65	48	58.8
	Minimum	37	32	34	38	38	34	41	29	28	35	36	35	34	39	38	40	35	26	36	39	29	31	26	28	34	44	40	38	36	36	32	34.8
Newberry	Maximum	55	54	59	53	49	54	54	51	55	60	62	59	61	65	66	58	55	55	60	55	55	49	53	68	67	77	68	53	66	61	50	58.3
	Minimum	37	26	29	35	36	34	38	30	25	33	30	29	31	35	36	40	37	21	35	36	28	30	26	25	31	44	39	38	33	34	32	32.8
Saluda	Maximum	55	57	61	52	50	61	54	52	58	63	64	63	63	65	68	59	57	56	64	56	57	51	54	60	67	76	67	58	69	62	51	59.7
	Minimum	25	25	28	31	37	34	35	28	23	28	27	52	28	35	31	40	36	24	34	38	26	30	24	23	29	45	39	38	50	35	32	31.9
Santuck	Maximum	54	54	58	51	48	57	53	49	54	59	61	58	59	65	63	54	51	53	58	53	54	48	52	57	66	76	56	55	67	57	51	56.5
	Minimum	36	26	31	35	34	32	41	31	27	29	30	30	29	32	35	40	36	25	34	32	30	30	25	28	34	44	37	37	34	34	32	32.5
Spartanburg §§	Maximum	54	54	59	49	38	58	51	47	56	61	61	58	59	66	65	50	49	54	58	44	52	44	59	57	67	72	39	57	68	45	50	54.5
	Minimum	35	27	30	31	33	36	37	33	28	29	33	30	29	32	35	42	36	24	29	33	30	29	27	29	32	42	38	36	35	43	30	32.7
Trenton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Winnsboro	Maximum	58	55	55	54	51	50	50	45	44	51	55	55	63	59	64	54	51	53	69	52	50	46	48	56	61	75	61	51	66	48	45	54.4
	Minimum	35	29	31	31	33	31	32	29	26	31	33	31	30	38	35	40	34	28	37	33	28	28	24	29	36	45	33	34	37	31	30	32.
Winthrop College	Maximum	53	54	59	53	48	52	50	49	52	58	58	56	57	64	63	55	51	51	59	55	54	47	50	55	65	73	59	54	65	63	50	55.
	Minimum	35	28	32	34	32	34	35	30	30	29	32	29	31	34	37	42	34	26	38	32	29	31	26	27	34	45	33	32	35	30	32	32.7

Reference letters (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.

SC Stack

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
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CLIMATOLOGICAL DATA

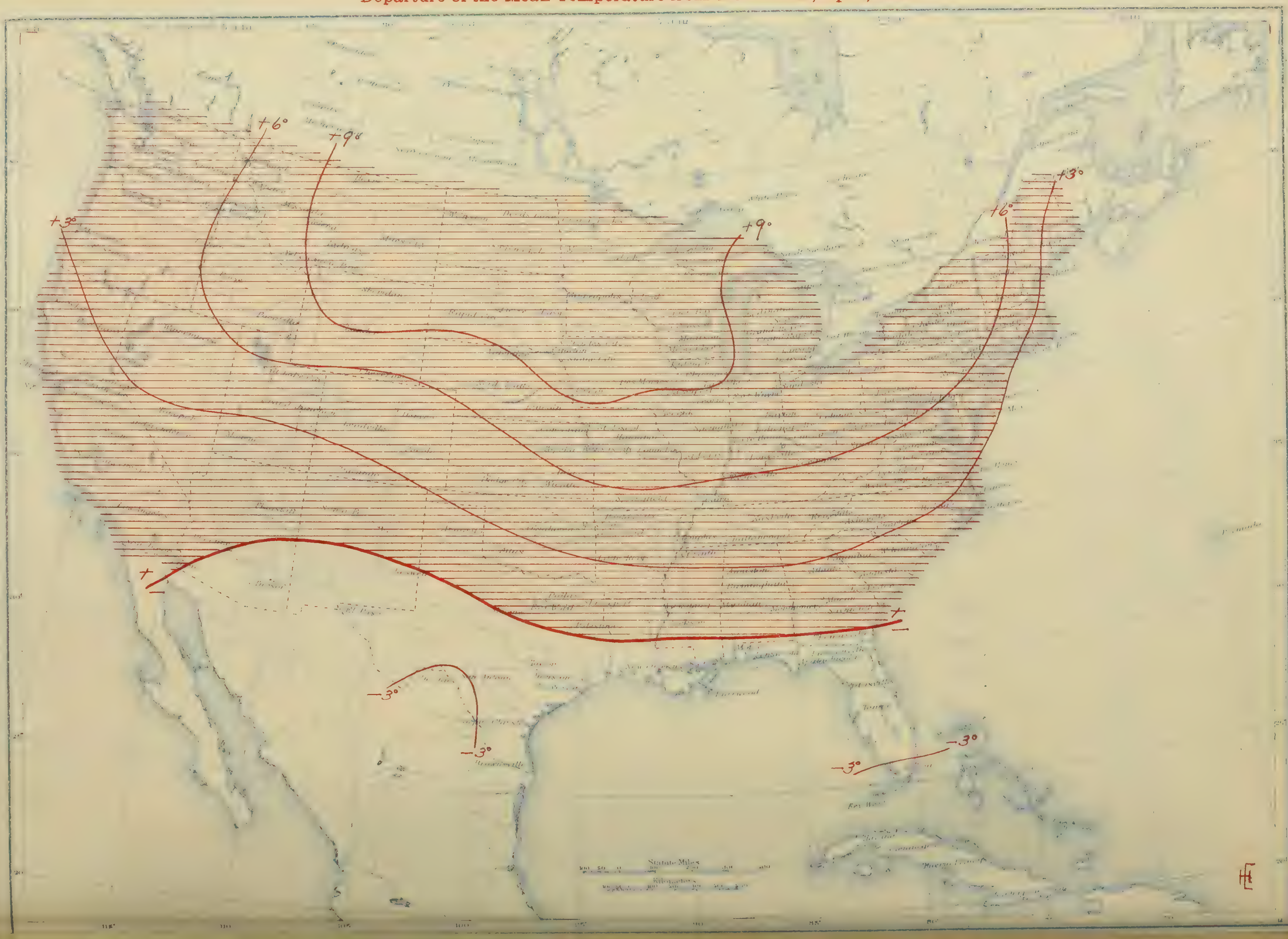
SOUTH CAROLINA SECTION

APRIL, 1915

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
June 4, 1915.

Departure of the Mean Temperature from the Normal, April, 1915.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

VOL. XVIII. COLUMBIA, S. C., APRIL, 1915. No. 4.

GENERAL SUMMARY.

Average subnormal departures of 12° to 19° per day during the first four days of April were offset subsequently by temperatures generally above normal. As a consequence, thermal conditions for the month as a whole were somewhat above the seasonal average. Precipitation was much below the normal, particularly after the cold period mentioned, during which cold rains and the latest spring snows of record were prevalent. The growing season began about two weeks late; but the second week showed a remarkable quickening of relatively dormant vegetation, and spring plantings progressed under favorable conditions. The last two weeks of the month were marked by semi-drought, with only scattered or insufficient rainfall and abnormal sunshine, resulting in irregular germination of seed and unsatisfactory development of small grains and other crops above ground. The month closed with summer heat.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.09 inches. The highest pressure in the region covered by reports was 30.39 inches at Charlotte, N. C., on the 22d, and at Columbia, S. C., on the 23d; lowest, 29.41 inches at Wilmington, N. C., on the 3d, and in the Section proper, 29.50 inches at Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 40 stations, was 63.1°, or 0.8° above the established normal. The highest temperature was 96° at Blackville, Barnwell County, on the 28th, and at Winthrop College, Rock Hill, York County, on the 26th. The warmest periods were generally on the 30th over the eastern portion and on the 26th, 27th and 30th over the western portion. The lowest temperature was 25° at Liberty, Pickens County, on the 4th. The coolest period of the month was during the first four days, when practically all the latest spring killing frosts occurred.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 76 per cent; 8 p. m., 59 per cent; for the month, 68 per cent. The highest average percentages occurred in the southern coast districts, and the lowest, over the north-central counties.

PRECIPITATION.

The average for the Section, 54 stations reporting, was 1.47 inches, or 1.33 inches below the established normal. While light showers occurred at the beginning of the second and last decades, the principal wet period of the month was the first four days, when the latest spring snows of record were recorded in about two-thirds of the Section. The greatest monthly amounts were recorded in the northeastern border counties and northern coastal plain, where the measurements ranged from 2 to over 5 inches. Less than one inch was reported from the Savannah watershed and portions of the north-central counties, the amounts ranging downward to sprinkles in Oconee County. The average number of rainy days was considerably below normal. The greatest local monthly amount of precipitation was 5.34 inches at Kingstree, Williamsburg County; of this amount 3.45 inches fell on the 22d, the greatest 24-hour local measurement for the past month. The least rainfall was "Trace" at Clemson College, Oconee County.

The small snow chart on this page graphically outlines the southern limit of latest spring snows, which may stand as a record for years to come. The snowfall was reported on April 2 and 3, 1915, but most of it melted as it fell.

WIND.

The prevailing winds were from the west. The average hourly velocity, determined from 7 anemometer records, was 8.1 miles. In the Section proper the averages were 6.8 miles per hour at Columbia and 9.8 miles per hour at Charleston. The highest velocity for any 5-minute period in the region covered by reports was 42 miles per hour from the northeast at Wilmington, N. C., on the 2d, and in the Section proper, 40 miles per hour from the northeast at Charleston on the same date.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 316.5 hours, or 81 per cent of the possible amount. The average number of clear days was 20; partly cloudy, 6, and cloudy, 4, as against normals of 15, 8 and 7 days, respectively.

RIVER CONDITIONS.

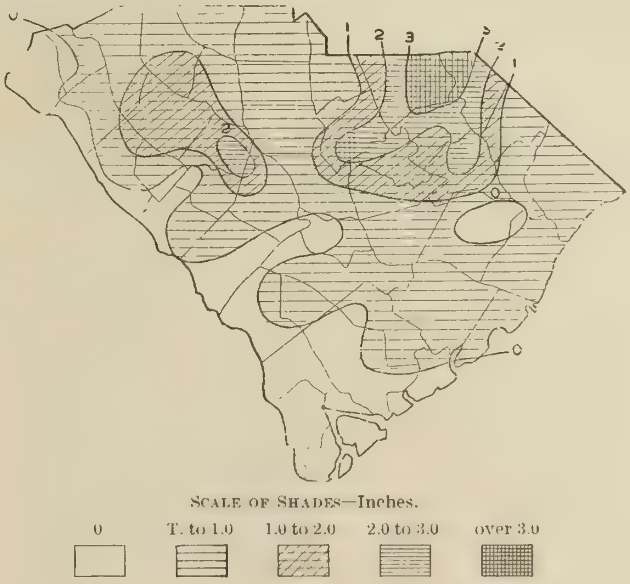
The runoff from copious showers in the Catawba and Wateree drainage areas on the 2d and 3d was attended by stages somewhat above flood in the Santee River at Rimini from the 4th to the 9th and at Ferguson from the 4th to the 12th. Moderately heavy rains in the upper Pee Dee watershed about the same time were followed by stages of 10.0 to 12.8 feet at Smiths Mills between the 6th and 19th. Otherwise, the rivers of the Section continued relatively low.

MISCELLANEOUS PHENOMENA.

Fog, dense (*dates*).—Charleston, 23; Cheraw, 10, 23; Columbia, 3, 4; Darlington, 12, 23; Florence No. 2, 23; Georgetown, 21; Mayesville (near), 21; Rimini, 10, 16, 22, 23, 24.

Halos (*dates*).—*Lunar:* Charleston, 26. *Solar:* Charleston, 23; Liberty 2.

SOUTHERN LIMIT OF LATE SPRING SNOWS (April 2-3, 1915).



Climatological Data for April, 1915.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipitation (0.01 in. or more)	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	26	65.2	+1.2	93	30	31	† 1	38	0.88	−1.67	0.87	0	2	16	6	8	e.	H. G. Harris.
Beaufort	Beaufort	21	28	[c]62.2	−2.9	[c] 87	29	[c] 37	3	33	1.64	−1.18	0.62	0	3	26	2	2	se.	Miss Lillian H. Rice.
Bethune	Kershaw	289																		D. M. Bethune.
Blackville	Barnwell	296	26	66.4	+2.3	96	28	31	4	41	1.18	−2.06	0.94	T.	3	23	3	4		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	12	62.2	−2.0	94	30	30	1	48	1.55	−1.93	0.80	T.	4	26	2	2	sw.	B. O. Evans.
Centenary	Marion	43				92	30				2.41		1.25	T.	6	16	12	2	sw.	D. L. Carmichael.
Charleston	Charleston	48	44	63.3	−0.5	84	30	37	1	24	1.13	−1.86	0.96	0	4	23	4	3	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	25	62.8	+1.9	92	26	30	4	39	2.69	−0.09	1.50	3.5	6					J. H. Powe.
Conway	Horry	25	29	[a]62.6	+0.2	[a] 91	30	[a] 30	1	[a]45	2.24	−0.67	1.95	T.	4					Paul Quattlebaum.
Darlington	Darlington	175	19	62.6	+1.0	93	30	29	1	40	1.80	−1.40	1.42	1.5	5	16	6	8		D. C. McCall.
Dillon	Dillon	100	11	62.8	..1.6	90	30	31	4	45	3.12	+0.36	1.28	T.	6					A. E. Rowell.
Edisto ‡‡	Bamberg	143	27								1.58	−1.86	1.14	T.	5					Nathan Jenkins.
Effingham	Florence	106	22								3.15	−0.03	2.05	2.0	3					H. B. McCall.
Ferguson	Orangeburg	63	29	62.8	+0.7	93	30	30	1	41	1.89	−0.90	1.30	0.2	4					Joseph P. Simons.
Florence 1	Florence	136	26	63.3	+1.4	93	27	31	4		2.62	−0.28	1.63	T.	6					H. K. Gilbert.
Florence 2	Florence	136									2.00	−0.90	0.80	2.5	5	25	3	2	s.	PeeDeeExperimentStation.
Georgetown	Georgetown	12	20	63.0	+0.5	88	† 20	31	1	41	1.05	−2.08	0.90	T.	2	19	9	2	n.	A. P. Hazard.
Kingstree	Williamsburg	54	26			93	30				5.34	+2.37	3.45	0	4	23	2	5	n.	A. O. Matthews.
Mayesville (near)	Sumter	70																		Lewis E. Warren.
Oaks	Georgetown			63.1		93	30	29	1	47	1.79		1.20	T.	6	21	6	3	s.	O. M. Mitchell.
Pinopolis **	Berkeley	54	21																	Miss E. P. Ravenel.
Rimini	Clarendon	97	5								1.46		1.30	T.	4					William B. Wolfe.
St. George	Dorchester	109	26	64.8	+1.1	95	30	35	† 1	47	1.43	−1.71	1.05	0	4					Geo. N. Snelling, M. D.
St. Matthews	Calhoun	269	26	63.8	+1.2	95	30	29	4	39	1.33	−1.92	1.33	0	2	7	18	5	s.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	19								2.29	−0.98	1.77	0	4					W. G. Walker.
Society Hill	Darlington	192	23	63.6	+1.8	92	† 25	29	3	41	2.39	−0.82	1.71	3.0	4	16	13	1	s.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	17	63.2	−0.1	90	30	30	1	44	2.01	−1.47	1.12	T.	5	18	10	2	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	12	61.9	−3.3	[b] 94	30	[b] 30	1	47	1.54	−1.65	0.60	0	6	24	4	2		J. A. Westerberg.
Yemassee	Hampton	24	19	62.4	−0.8	95	30	28	1	44	1.10	−1.87	0.88	0	4	26	2	2	ne.	J. G. Hutson.
Division means and extremes				63.2	+0.2	96	28	28	1	48	2.02	−1.07	3.45	0.5	4	20	6	4	s.	
Western Portion.																				
Aiken	Aiken	527	20	[a]64.2	+0.6	[a] 92	30	[a] 28	4	[a]42	0.75	−2.37	0.50	0	2	[a]25	[a]2	[a]2	w.	W. M. Brown.
Anderson	Anderson	764	13	64.8	+4.0	94	27	28	4	45	0.33	−3.05	0.18	0	2	23	1	6	w.	H. H. Russell.
Batesburg	Lexington	656	26	63.3	+1.8	91	30	30	4	36	0.44	−2.47	0.25	T.	2	24	4	2	n.	E. J. Hite.
Blairs	Fairfield	293	11								1.15	−0.99	0.95	T.	5					J. N. Owens.
Calhoun Falls	Abbeville	508	22								0.47	−3.11	0.41	0	2					L. M. Parker.
Camden	Kershaw	222	48	62.2		93	30	28	5	44	1.89	−0.87	0.94	2.5	5	24	2	4	ne.	W. C. Brown.
Catawba	York	562	9								1.67	−0.89	0.80	0.2	6					James C. Faris.
Chappells	Newberry	402	11								1.15	−1.17	0.98	0	3					J. J. Murran.
Clemson College	Oconee	850	23	61.8	+2.4	86	27	27	4	41	T.	−4.57	T.	0	0	19	6	5	s.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	28	64.8	+2.0	90	30	32	4	31	1.22	−1.64	0.87	T.	3	21	5	4	s.	U. S. Weather Bureau.
Edgefield	Edgefield		1								0.65		0.40	0	2					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	2								0.72		0.32	T.	4					Harry A. Parshall.
Greenville	Greenville	989	22	61.2	+3.8	91	26	28	1	40	0.57	−3.12	0.30	T.	3	19	6	5	nw.	Spartan Goodlette.
Greenwood	Greenwood	671	26	63.4	+2.7	90	† 26	30	4	38	0.66	−2.36	0.46	1.0	3	25	0	5	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	13	61.2	+0.8	91	30	30	5	46	1.26	−0.66	0.70	T.	4	10	17	3	w.	J. Marvin Bowers.
Landrum	Spartanburg	1063		61.8		92	† 26	29	4	46	0.40		0.12	T.	5	19	9	2		R. Hartwell Wilds, D. D. S.
Liberty	Pickens	900	20	62.4	+2.2	93	† 26	25	4	45	0.17	−4.46	0.08	0	6	19	9	2	sw.	John T. Boggs.
Little Mountain	Newberry	711	21	64.4	+2.5	91	30	29	4	41	0.84	−2.33	0.52	3.0	2	23	5	2	w.	J. M. Sease, M. D.
Meriwether	Edgefield		11	64.7	+2.2	93	27	29	4	44	0.97	−1.96	0.65	0	3	22	5	3		William S. Middleton.
Monetta	Saluda	400	8	63.0		90	† 27	31	4	39	0.97		0.58	T.	3	19	9	2	sw.	Joseph M. Johnson.
Newberry	Newberry	502	27	63.4	+2.2	92	† 26	27	4	42	1.20	−1.36	0.60	2.0	5	11	15	4	sw.	Warren G. Petterson.
Pelzer	Anderson	850	11								0.20	−3.34	0.12	T.	2					Joshua Y. Jones.
Saluda	Saluda	536	12	63.4	+0.9	92	30	26	1	50	1.35	−1.12	0.87	0	3	24	2	6	w.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	20	62.2	+2.0	92	26	28	4	41	1.14	−2.14	0.52	0.5	5	20	7	3	w.	E. W. Jeter.
Spartanburg	Spartanburg	875	23	62.0	+2.2	94	26	31	4	45	1.18	−2.09	0.80	0.8	3					F. P. Robinson.
Trenton	Edgefield	620	21	64.4	+1.4	90	27	34	† 1	39	2.65	−0.64	2.05	T.	3	22	6	2	w.	Mrs. C. A. Long.
Winnsboro	Fairfield	545	25	62.2	+1.1	90	† 26	28	4	41	0.40	−2.37	0.25	T.	2	26	2	2	sw.	J. W. Seigler.
Winthrop College ‡‡	York	690	14	62.7	+2.2	96	26	30	4	42	2.10	−0.92	0.95	T.	4	12	15	3	sw.	W. P. Goodman.
Division means and extremes				63.1	+2.0	96	26	25	4	50	0.95	−2.08	2.05	0.4	3	20	6	4	w.	
State means and extremes				63.1	+0.8	96	† 26	25	4	50	1.47	−1.33	3.45	0.4	4	20	6	4	w.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (a, b, c), appearing in the table indicate number of days missing; for example, b represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb: means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

MISCELLANEOUS DATA FOR APRIL, 1915.

Stations.	Barometer—sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Sunshine—total hours.	Relative humidity—per cent.	Wind.	
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.			Average hourly velocity—miles.	Prevailing direction.
Asheville, N. C.	30.10	56.4	86	25	1.09	0.37	268.0	61	7.1	nw.
Augusta, Ga.	30.07	65.7	90	33	0.65	0.62	335.0	62	5.7	ne.
Charleston, S. C.	30.09	63.3	84	37	1.13	0.96	341.7	77	9.8	s.
Charlotte, N. C	30.09	61.8	92	31	0.63	0.44	294.9	58	6.9	ne.
Columbia, S. C.	30.08	64.8	90	32	1.22	0.87	327.5	59	6.8	s.
Savannah, Ga.	30.09	64.8	91	37	0.98	0.90	340.5	82	11.9	s.
Wilmington, N. C.	30.09	61.8	86	33	1.85	1.62	307.8	76	8.3	sw.
Means and extremes	30.09	62.7	92	25	1.08	1.62	316.5	68	8.1	s.

Daily Precipitation for April, 1915.

Stations.	Watershed.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ‖‖	Savannah	.01		.87																													0.88
Beaufort	Coast		.42	.60									.62																				1.64
Bethune	Lynches																																
Blackville ‖‖	Edisto			.94	.15																		.09										1.18
Bowman	do		.80	.45								.20									.10										T.		1.55
Centenary	Pee Dee		.84	1.25	T.				.07			.02						T.				T.	.23										2.41
Charleston ***	Coast		.96	.01								T.	.15														T.				.01		1.13
Cheraw ‖‖	Pee Dee	.13		1.50	.48				.32				.25										.01	T.									2.69
Conway ‖‖	Waccamaw	.03		1.95	.06				T.				T.										.20										2.24
Darlington ‖‖	Pee Dee	.02		1.42	.08				.11				.12										.05								T.		1.80
Dillon	Little Pee Dee		1.00	1.28					.39				.03					T.				.35	.07							T.			3.12
Edisto ‖‖	Edisto	.04		1.14	.17								.23																				1.58
Effingham ‖‖	Lynches	.40		1.95	.10																		.70										3.15
Ferguson ‖‖	Santee	.17		1.30	.21								.21									T.	T.										1.89
Florence 1 ‖‖	Pee Dee	.09		1.63	.34				.35				.11										.10										2.62
Florence 2	do		.80	.70					.25				.15										.10										2.00
Georgetown	Coast		.90	.15					T.				T.									T.								T.			1.05
Kingstree ‖‖	Black	.15		1.66									.08										3.45	T.									5.34
Mayesville (near)	do																					T.	.25										
Oaks	do		.34	1.20	.10																	.05	.09							.01			1.79
Pinopolis	Cooper																																
Rimini ‖‖	Santee			1.30	.11								.04																		.01		1.46
St. George ‖‖	Edisto		.03	1.05	.10								.25																				1.43
St. Matthews ‖‖	Santee			1.13	.20																												1.33
Smiths Mills ‖‖	Pee Dee	.23		1.65	.12								.02										.27										2.29
Society Hill ‖‖	do		1.71	.31				.25				.12										T.											2.39
Summerville	Ashley		1.12	.66	.02							.13	.08									T.											2.01
Walterboro	Ashepoo		.60	.40	.01							.15	.37									.01								T.			1.54
Yemassee ‖‖	Combahee		T.	.88	.05								.15	.02																			1.10
Western Portion.																																	
Aiken	Edisto		.25	.50																													0.75
Anderson	Savannah		.09	.09								.10	.05																T.	T.			0.33
Batesburg ‖‖	Edisto			.25	.19								T.											T.			T.						0.44
Blairs ‖‖	Broad	.02		.85	.10								.08										.10										1.15
Calhoun Falls ‖‖	Savannah																						.06							.41			0.47
Camden ‖‖	Wateree			.81	.94				.02				.03										.09										1.89
Catawba ‖‖	Catawba	.02		.80	.13				.27				.14										.15	.16									1.67
Chappells ‖‖	Saluda			.98																										.17			1.15
Clemson College	Savannah			T.																									T.				T.
Columbia ***	Congaree		.54	.35								T.										.33	T.										1.22
Edgefield ‖‖	Savannah			.40	.25																												0.65
Gaston Shoals ‖‖	Broad			.30	.07				T.				.03										T.	T.			T.			.32			0.72
Greenville ‖‖	Saluda			.10					.17				.30										T.								T.		0.57
Greenwood ‖‖	do			.20																										.46			0.66
Heath Spring	Wateree		.24	.70								.22											.10										1.26
Landrum	Broad		.03	.12								.07	.07									T.							.11				0.40
Liberty	Savannah	.02	.02	.01				.02				.08									T.	T.	T.						T.	.02			0.17
Little Mountain	Saluda		.32	.52																													0.84
Meriwether	Savannah		.12	.20																			T.							.65			0.97
Monetta	Edisto		.37	.58	T.																		.02										0.97
Newberry	Saluda		.40	.60									.05										.12							.03			1.20
Pelzer ‖‖	do			.12									.08										T.						T.				0.20
Saluda	do		.87	.40																	.08												1.35
Santuck	Broad		.37	.52								.02	.05									T.	.18						T.	T.			1.14
Spartanburg ‖‖	do			.30									.08										T.							.80			1.18
Trenton	Edisto		.40	.29			2.05														T.												2.65
Winnsboro	Broad			.25								T.										.15											0.40
Winthrop College	Catawba		.95	.45					.18				.52																				2.10

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

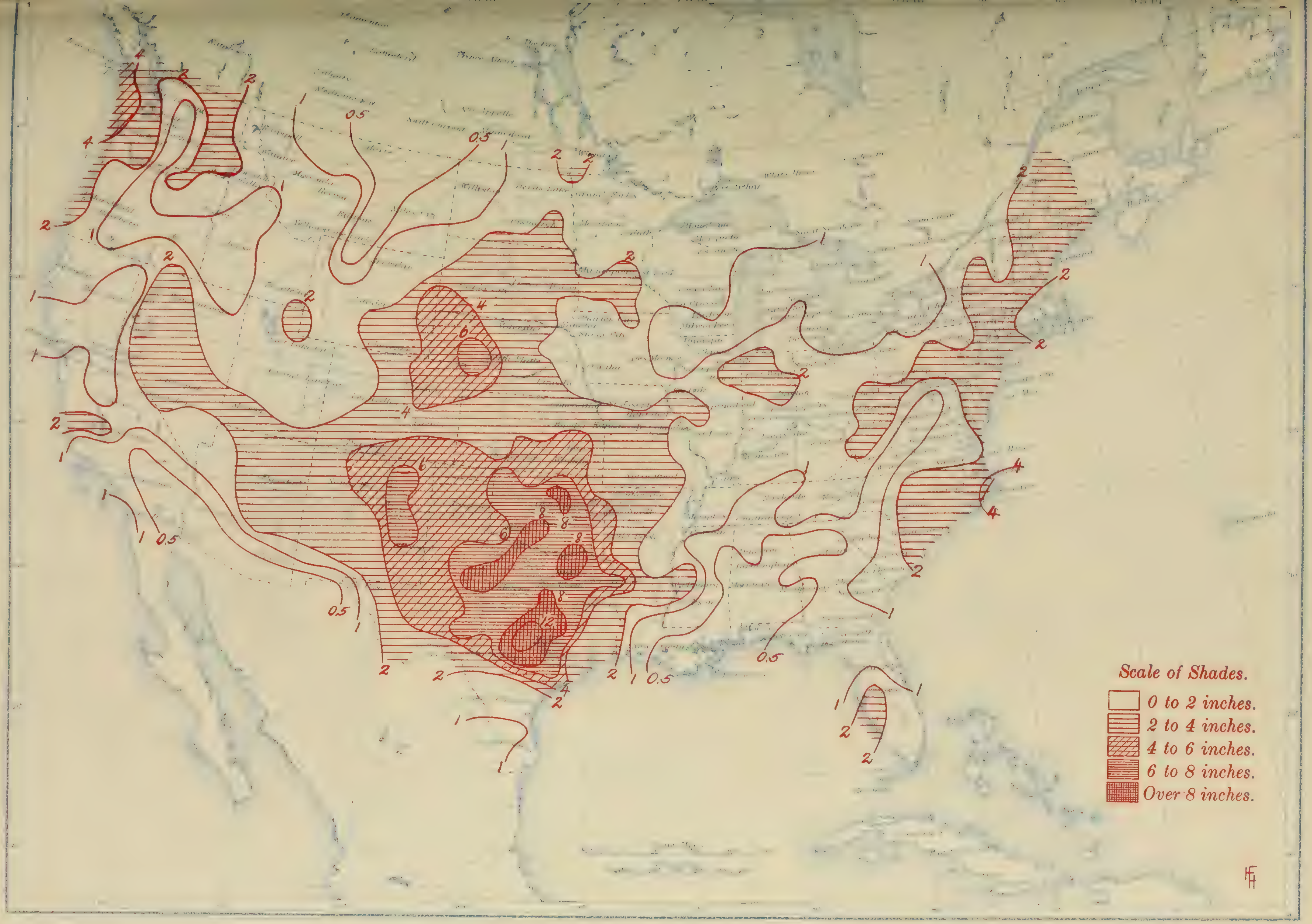
COMPARATIVE DATA FOR APRIL.

Year.	Temperature.			Precipitation.		Average number of days—			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	62.3	94	28	2.09	5				
1888	64.6	95	31	1.33	4				sw.
1889	62.4	93	30	2.01	6				ne.
1890	62.8	91	31	2.02	6				nw.
1891	63.2	92	26	1.66					sw.
1892	62.8	88	29	1.13					nw.
1893	66.7	91	31	1.30	5	15	10	5	sw.
1894	62.6	95	30	2.01	6	15	10	5	sw.
1895	61.4	94	28	5.55	10	12	9	9	w.
1896	66.9	98	30	1.31	4	14	11	5	sw.
1897	62.2	95	31	3.24	9	16	6	8	sw.
1898	58.0	92	26	5.05	8	16	7	7	sw.
1899	60.0	91	27	3.02	7	12	9	9	n.
1900	62.4	90	24	5.41	9	12	9	9	ne.
1901	56.0	89	30	5.03	7	15	6	9	nw.
1902	60.4	91	24	2.18	7	15	9	6	w.
Continued—									
1903	60.4	88	26	2.95	8	14	9	7	w.
1904	59.2	89	21	1.34	6	14	8	8	sw.
1905	62.8	92	25	3.83	9	15	8	7	sw.
1906	65.1	93	28	1.39	4	20	6	4	sw.
1907	56.4	89	20	4.40	10	10	13	7	sw.
1908	66.6	95	31	4.75	9	11	10	9	sw.
1909	63.9	96	30	2.95	7	14	9	7	sw.
1910	63.4	95	32	1.71	5	15	10	5	sw.
1911	61.6	91	30	2.95	8	12	9	9	ne.
1912	64.3	91	32	4.24	9	14	5	11	sw.
1913	61.2	90	30	2.00	6	20	4	6	sw.
1914	63.7	98	30	2.86	7	14	10	6	w.
1915	63.1	96	25	1.47	4	20	6	4	w.
Period	62.3	98	20	2.80	7	15	8	7	sw.

Daily Temperatures for April, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	61	47	57	60	72	79	78	78	82	82	80	80	74	72	71	76	83	87	88	90	89	82	84	84	85	87	89	89	89	93	....	78.9
	Minimum	31	39	35	31	37	46	53	51	51	55	61	61	55	59	45	42	46	49	52	58	61	65	55	56	55	59	59	61	56	62	....	51.5
Beaufort	Maximum	59	50	44	59	61	69	76	69	75	75	73	79	71	69	68	71	81	77	77	77	80	76	77	77	77	....	....	....	87	85	....	[c] 71.8
	Minimum	37	38	37	39	45	50	55	55	54	59	60	56	56	51	46	48	53	54	55	60	60	60	60	60	60	....	....	....	58	58	....	[c] 52.7
Blackville §§	Maximum	63	47	55	63	74	81	85	79	87	87	89	86	80	77	75	80	86	83	88	82	93	88	92	92	92	94	95	96	93	95	....	82.6
	Minimum	33	37	32	31	36	46	52	54	52	55	59	59	53	45	42	41	46	46	50	56	59	61	56	57	56	60	59	58	55	60	....	50.2
Bowman	Maximum	40	50	40	60	70	80	83	80	81	83	84	74	68	69	70	78	80	78	86	90	89	84	85	84	87	88	89	88	87	94	....	77.3
	Minimum	30	32	33	35	32	45	46	48	50	54	56	50	45	42	40	38	40	40	42	48	59	55	53	54	52	60	55	56	57	62	....	47.0
Centenary	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	73	67	67	74	72	76	86	89	83	79	83	86	87	90	89	89	88	92	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	48	41	43	45	39	43	58	57	60	58	57	55	58	67	67	62	67	....	....
Charleston	Maximum	54	50	45	59	64	70	78	63	68	76	74	79	69	66	64	70	78	67	78	82	78	71	74	74	74	79	80	79	80	84	....	70.9
	Minimum	37	38	38	39	43	52	56	55	56	63	62	62	57	52	50	48	54	53	55	62	64	64	60	62	63	65	65	64	65	66	....	55.7
Cheraw §§	Maximum	56	42	38	56	67	77	83	70	78	80	82	78	70	68	68	74	73	76	86	88	84	75	81	87	88	92	90	89	90	90	....	75.9
	Minimum	32	35	32	30	34	48	54	52	49	59	64	52	48	46	44	42	46	42	47	52	58	58	52	56	60	60	62	60	56	62	....	49.7
Conway §§	Maximum	58	44	40	56	66	77	83	72	75	76	79	82	75	70	68	73	....	75	85	87	82	78	83	83	82	87	87	87	84	91	....	[a] 75.3
	Minimum	30	33	35	33	31	51	50	54	49	58	54	60	52	45	41	49	48	....	40	58	60	50	55	56	57	60	57	57	63	61	....	[a] 49.9
Darlington §§	Maximum	60	46	43	60	68	76	82	73	79	82	82	80	73	70	70	76	78	79	87	88	82	79	84	87	88	91	91	90	89	93	....	77.5
	Minimum	29	31	31	30	31	46	50	54	44	52	61	54	49	44	39	36	42	39	48	57	55	57	53	53	55	59	60	56	55	58	....	47.6
Dillon	Maximum	58	45	39	57	71	78	83	73	80	82	81	80	73	68	67	73	73	70	81	87	85	77	81	85	86	91	89	89	87	90	....	76.0
	Minimum	32	32	33	31	33	49	50	55	46	58	58	58	50	46	41	38	46	41	48	57	58	58	58	56	57	62	59	57	60	60	....	49.6
Ferguson §§	Maximum	69	47	48	60	70	67	82	75	81	83	81	82	72	68	68	74	78	76	84	87	87	83	83	84	85	87	87	87	86	93	....	76.8
	Minimum	30	31	35	35	40	40	47	49	50	50	58	57	55	49	44	41	41	47	46	46	55	55	56	57	57	60	57	57	57	59	....	48.7
Florence 1 §§	Maximum	54	42	39	56	66	79	85	73	78	82	83	83	71	66	67	75	76	77	89	91	87	80	84	87	89	93	92	91	90	94	....	77.3
	Minimum	33	34	32	31	33	36	51	54	47	48	62	57	51	46	42	36	45	43	49	56	60	61	55	56	57	60	61	59	59	62	....	49.3
Georgetown	Maximum	56	49	50	56	60	65	82	68	76	77	77	82	75	70	68	78	78	78	85	88	81	82	81	81	82	82	86	88	84	86	....	75.0
	Minimum	31	36	34	34	40	42	55	52	51	64	56	58	45	47	44	41	44	44	52	60	61	56	56	56	62	63	59	62	64	64	....	51.1
Kingstree §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	89	81	83	84	86	89	88	89	88	92	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	58	59	57	58	61	59	57	60	62	....	....
Mayesville (near)	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	92	82	80	83	84	90	91	91	90	90	90	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Oaks	Maximum	59	56	42	57	68	77	83	79	77	81	79	83	79	71	68	....	76	75	84	88	85	80	84	83	85	90	89	89	86	93	....	[a] 77.4
	Minimum	29	31	34	33	30	50	49	50	45	57	62	57	54	44	39	35	....	....	43	58	60	60	60	....	53	53	55	53	61	63	....	[c] 48.8
St. George §§	Maximum	62	47	45	65	73	80	81	79	85	84	83	84	77	72	72	78	82	85	87	91	91	87	89	87	88	90	91	90	89	95	....	80.3
	Minimum	35	37	35	36	45	47	50	51	50	56	51	55	50	47	44	40	41	43	40	49	61	64	55	55	54	54	57	55	57	62	....	49.2
St. Matthews §§	Maximum	58	43	49	59	70	79	84	71	81	84	86	86	72	69	70	78	81	80	87	91	87	81	82	84	86	90	90	90	91	95	....	78.5
	Minimum	31	34	32	29	35	46	51	53	46	54	60	56	55	45	40	40	47	41	50	56	59	62	53	52	53	62	59	59	56	61	....	49.2
Society Hill §§	Maximum	51	43	58	70	79	85	74	80	83	83	83	74	71	70	77	77	79	89	90	85	77	84	87	90	92	91	90	91	92	80	....	79.2
	Minimum	32	31	29	31	45	40	52	43	53	63	53	48	45	38	35	42	40	48	53	56	56	51	52	55	59	59	55	55	59	52	....	48.0
Summerville	Maximum	62	53	43	60	69	78	82	74	79	80	78	82	75	71	69	75	81	77	83	87	86	81	83	82	84	84	85	80	85	90	....	76.6
	Minimum	30	38	35	32	34	46	52	50	51	55	61	55	52	48	44	40	46	44	48	56	61	64	55	56	55	57	58	55	59	60	....	49.9
Walterboro	Maximum	63	59	42	62	72	81	83	78	....	85	85	84	76	72	71	....	83	78	86	87	89	84	86	86	86	86	88	88	88	94	....	[b] 76.3
	Minimum	30	36	35	32	34	46	50	49	....	51	61	57	53	48	45	....	39	44	44	54	60	64	55	55	54	58	56	55	56	61	....	[b] 47.5
Yemassee §§	Maximum	62	48	42	61	71	79	81	79	83	83	82	80	75	72	70	76	85	78	85	89	89	82	84	84	85	84	86	88	86	95	....	78.1
	Minimum	28	44	35	31	33	43	48	48	47	52	53	55	50	45	42	38	41	41	43	45	56	58	52	52	52	54	54	53	53	54	....	46.7
Western Portion.																																	
Aiken	Maximum	58	50	44	60	70	79	83	76	82	83	83	82	73	70	70	77	81	83	....	90	87	83	83	84	85	87	90	89	90	92	....	[a] 78.1
	Minimum	31	36	32	28	41	48	54	55	54	55	59	55	50	46	44	44	49	52	....	59	60	62	50	58	56	58	60	59	54	52	....	[a] 50.4
Anderson	Maximum	59	51	54	64	73	82	86	74	81	84	77	78	73	71	74	80	84	79	88	91	83	70	84	90	91	93	94	91	90	90	....	79.3
	Minimum	32	38	34	28	40	47	53	56	56	55	57	49	47	45	48	45	49	47	46	54	59	58	53	56	58	61	62	61	58	58	....	50.3
Batesburg §§	Maximum	54	59	40	58	70	78	82	71	80	82	81	79	70	68	78	75	80	77	84	86	82	80	84	85	87	89	90	89	87	91	....	77.2
	Minimum	32	34	32	30	34	45	50	53	50	55	58	55	44	43	45	44	47	50	52	56	60	62	51	53	55	60	61	59	54	57	....	49.4
Camden §§	Maximum	58	48	43	51	70	80	83	72	80	84	84	84	82	68	70	76	78	77	84	88	82	73	81	85	88	91	89	89	90	93	....	77.4
	Minimum	35	36	34	29	28	29	41	50	51	52	54	55	54	50	43	40	40	48	43	44	48	56	52	53	54	58	60	59	56	57	....	47.0
Clemson College	Maximum	57	55	52	59	68	76	80	79	74	80	79	70	72	67	68	78	79	79	80	81	81	76	76	80	83	84	86	85	82	84	....	75.0
	Minimum	29	36	38	27	38	46	50	52	54	53	61	43	42	46	46	41	48	43	45	48	54	61	55	59	54	56	59	59	61	56	....	48.7
Columbia	Maximum	59	48	42	60	70	80	84	71	80	83	83	80	70	68	68	75	78	76	85	89	81	76	80	83	86	89	89	88	87	90	....	76.6
	Minimum	33	34	34	32	43	50	59	56	51	58	63	60	53	48	47	44	50	50	55	60	61	60	54	60	60	63	64	62	61	64	....	53.0
Greenville §§	Maximum	57	46	49	56	62	77	80	72	78	82	76	77	72	70	70	76	79	76	82	85	82	65	81	86	89	91	90	88	86	86	....	75.5
	Minimum	28	37	35	28	37	42	46	51	51	54	58	45	43	45	46	39	40	44	45	45	50	55	55	52	54	57	56	58	57	57	....	47.0
Greenwood §§	Maximum	58	48	48	61	70	79	83	79	78	83	79	78	72	68	70	78	82	78	86	88	86	70	82	85	86	90	90	88	84	87	....	77.1
	Minimum	31	34	35	30	32	44	49	64	58	55	58	57	47	42	42	42	46	45	49	54	59	58	50	53	57	60	61	61	58	60	....	49.7
Heath Spring	Maximum	55	44	42	45	64	76	80	66	73	73	80	73	67	65	65	72	75	75	83	79	79	64	79	84	83	90	88	87	88	91	....	72.9
	Minimum	33	35	37	40	30	46	52	52	46	56	60	51	46	44	41	41	57	44	54	54	54	55	49	58	58	59	61	58	55	60	....	49.5
Landrum	Maximum	56	53	43	64	70	80	84	72	76	82	77	77	68	65	68	81	83	77	86	80	80	70	83	86	88	92	92	86	87	87	....	76.4
	Minimum	31	35	42	29	35	44	51	49	48	60	58	44	42	43	41	37	52	43	46	54	54	55	51	50	54	56	54	55	55	57	....	47.2
Liberty	Maximum	58	51	51	64	70	81	83	75	76	81	76	75	72	69	72	78	81	78	85	85	80	71	81	88	89	93	93	85	86	82	....	77.0
	Minimum	27	39	33	25	35	46	49	57	51	53	48	44	43	46	45	38	56	45	47	47	53	58	55	52	52	55	59	56	60	58	....	47.7
Little Mountain	Maximum	67	50	44	52	70	79	83	73	75	83	82	82	70	68	68	76	79	76	86	88	82	76	80	84	88	90	90	90	88	91	....	77.0
	Minimum	33	34	32	29	42	49	55	54	53	55	59	55	50	45	46	46	55	48	53	60	63	61	52	57	59	62	63	61	60	63	....	51.8
Meriwether	Maximum	60	49	49	63	73	81	85	75	81	85	84	83	76	71	73	79	84	81	89	92	90	85	86	88	89	91	93	92	87	90	....	80.1
	Minimum	30	35	35	29	37	48	54	50	55	56	58	53	46	42	44	41	45	46	48	53	55	60	54	54	55	56	61	59	58	62	....	49.3
Monetta	Maximum	58	53	42	59	70	78	82	78	81	83	82	84	75	67	19	75	80	77	85	88	87	82	84	86	88	88	90	89	88	90	....	77.9
	Minimum	34	33	32	31	40	48	53	55	50	55	59	56	51	46	44	41	....	....	....	....	....	....	....	....	....	....	60	58	56	60	....	[j] 48.1
Newberry	Maximum	58	53	46	60	70	80	84	74	80	83	81	79	74	67	69	78	80	78	87	89	80	71	82	85	88	92	92	92	88	91	....	77.7
	Minimum	30	35	32	27	38	48	52	54	51	56	60	50	48	44	44	39	48	42	45	50	55	59	52	54	56	59	63	60	57	61	....	49.0
Saluda	Maximum	62	51	45	63	76	80	83	72	82	83	80	81	73	69	71	80	82	80	88	89	85	77	85	88	89	91	93	90	88	92	....	78.9
	Minimum	26	32	33	....	34	50	53	50	49	57	59	51	44	38	39	36	45	38	42	52	55	60	52	55	54	56	68	60	55	44	....	[a] 47.8
Santuck	Maximum	56	47	46	60	69	80	84	72	77	81	78	77	69	67	68	76	79	78	86	88	76	69	81	86	89	92	91	91	89	90	....	76.4
	Minimum	30	32	32	28	39	46	51	53	51	55	59	49	46	42	41	40	48	45	45	50	56	55	50	52	56	57	60	59	56	60	....	48.1
Spartanburg §§	Maximum	56	46	46	61	71	81	85	72	78	84	78	77	68	67	68	78	79	78	87	89	80	64	84	88	90	94	92	91	86	86	....	76.8
	Minimum	32	35	32	31	38	44	50	54	50	52	57	47	43	44	43	39	48	42	44	44	52	55	52	52	53	57	58	58	56	57	....	47.3
Trenton	Maximum	58	48	43	58	70	79	81	74	81	81	82	83	71	70	72	76	81	83	85	89	88	87	86	87	88	88	90	89	84	87	....	78.0
	Minimum	34	35	34	38	40	46	58	54	54	54	55	55	49	45	44	44	48	49	58	58	60	55	52	55	57	58	61	59	58	58	....	50.8
Winnsboro	Maximum	48	45	51	58	69	76	82	70	81	80	80	75	69	65	65	74	74	75	85	86	75	70	82	84	85	90	90	88	88	85	....	74.5
	Minimum	35	32	31	28	40	47	57	53	57	55	57	52	48	44	40	44	44	44	50	60	62	55	50	55	58	60	62	60	58	56	....	49.8
Winthrop College	Maximum	56	55	44	56	67	78	83	79	79	80	78	75	72	68	68	76	74	76	85	86	76	69	80	86	93	96	93	91	90	88	....	76.6
	Minimum	31	33	32	30	41	41	54	52	50	51	60	50	44	43	41	42	51	44	50	55	57	54	50	58	59	61	63	51	56	60	....	48.8

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.
§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.

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CLIMATOLOGICAL DATA

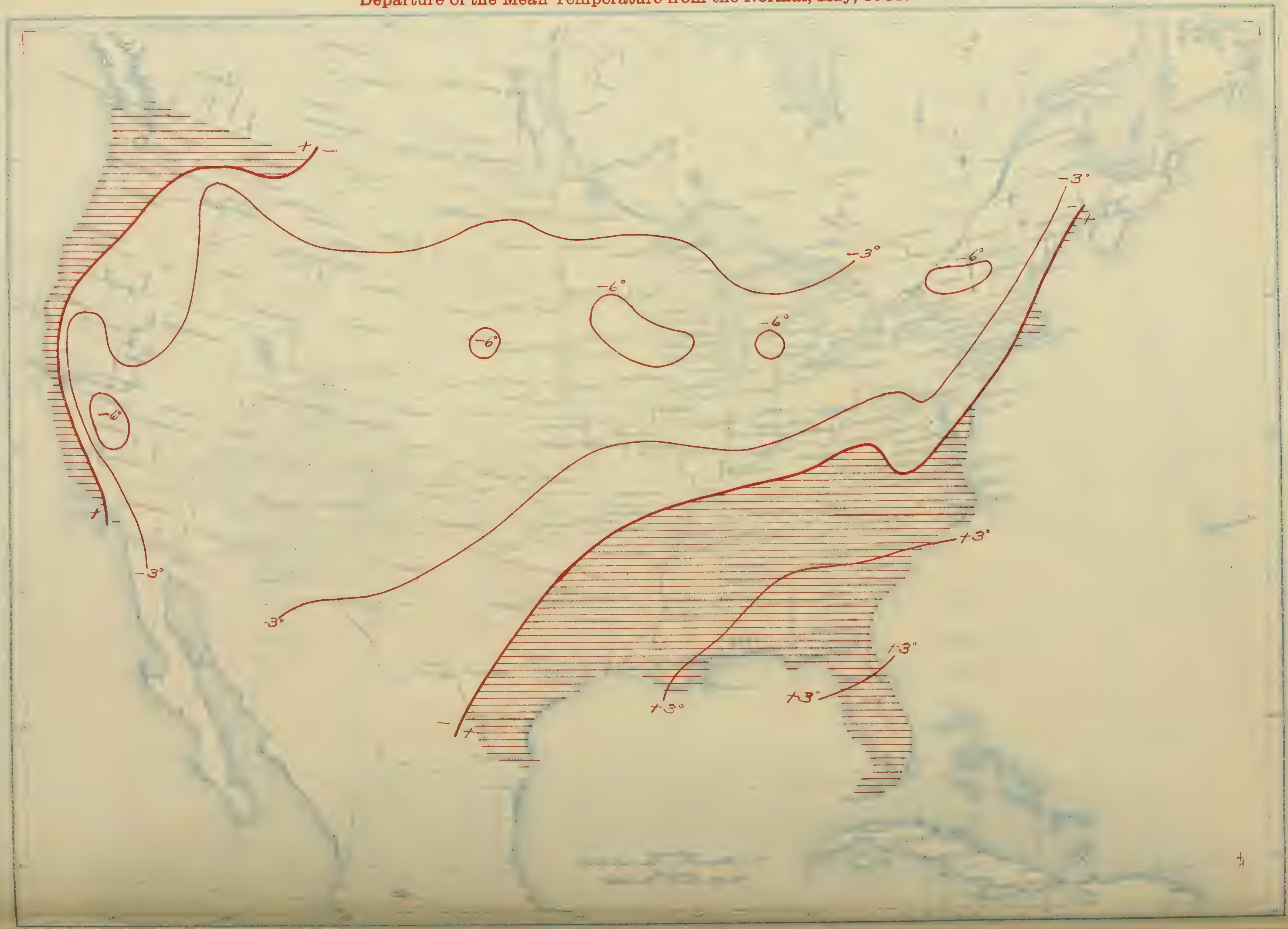
SOUTH CAROLINA SECTION

MAY, 1915

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
June 30, 1915.

Departure of the Mean Temperature from the Normal, May, 1915.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

Vol. XVIII. Columbia, S. C., May, 1915. No. 5.

GENERAL SUMMARY.

The month was exceptionally stormy and wet, with frequent heavy to excessive rains, in direct contrast to the conditions of the dry May of last year. Severe hailstorms occurred over Georgetown, Richland, Lexington, Fairfield and Newberry counties on the 4th. Local storms of great violence prevailed over a large portion of the north-central counties on the 7th. During the early afternoon of that date 4 persons were killed and 111 injured by tornadoes in Darlington, Kershaw, Marlboro and Newberry Counties, with an approximate property loss of $51,000; the greatest destruction of life and property occurred in the vicinity of Bennettesville, Marlboro County. During the late afternoon of the same date, a tornado that originated over eastern Orangeburg County moved northeastward over Clarendon County and struck the town of Manning, killing 4 persons, injuring 17 and causing a property loss estimated at $260,000. Six fishermen lost their lives near Charleston harbor during a northeast gale on the 27th. Thermal conditions were near the seasonal average. As a result of continued wet weather, deficient sunshine and but few good drying days, farming operations were materially affected. Cotton, corn and truck fields became grassy, and the oat and wheat harvests proceeded under considerable difficulty. The month closed with conditions much improved, and cultivation was being pushed to a maximum.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 29.92 inches. The highest pressure in the region covered by reports was 30.27 inches at Charlotte and Wilmington, N. C., on the 11th, and in the Section proper, 30.26 inches at Columbia on the same date; lowest, 29.42 inches at Charlotte, N, C., on the 4th, and in the Section proper, 29.52 inches at Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 43 stations, was 73.0°, or 1.5° above the established normal. The highest temperature was 98° at Blackville, Barnwell Co., on the 15th, and at St. George, Dorchester Co., on the 26th. The warmest periods of the month were generally between the 15th and 17th, from the 24th to the 26th and at a few scattered stations of the western portion on the 2d and 3d. The lowest temperature was 46° at Yemassee, Hampton Co., on the 6th. All previous Mays of record have had minimum temperatures below this figure. The coolest periods of the month were on the 1st and 2d, 6th, 9th to 11th and at a few stations on other dates.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 79 per cent; 8 p.m., 72 per cent; for the month, 76 per cent. The highest average percentages occurred over the extreme southern and extreme northeastern coast districts, and the lowest, over the central counties.

PRECIPITATION.

The average for the Section, 55 stations reporting, was 7.20 inches, or 3.69 inches above the established normal. There was but one date on which rain was not recorded in some portion of the Section. The heaviest rainfall occurred on the coastal plain, where the amounts ranged from 8 to over 15 inches. Over the middle Piedmont the measurements were less than 5 inches. The greatest local monthly amount was 15.55 inches at Mayesville (near), Sumter Co., least, 4.02 inches at Darlington, Darlington Co. The greatest 24-hour amount locally was 5.88 inches at Charleston. The average number of rainy days was about 30 per cent above the normal.

WIND.

The prevailing winds were from the west. The average hourly velocity, determined from 7 anemometer records, was 9.0 miles. In the Section proper the averages were 6.7 miles per hour at Columbia and 10.8 miles per hour at Charleston. The highest velocity for any 5-minute period in the region covered by reports was 52 miles per hour from the southeast at Savannah, Ga., on the 26th, and in the Section proper, 46 miles per hour from the northeast at Charleston on the 27th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 251.0 hours, or 58 per cent of the possible amount. The average number of clear days was 11; partly cloudy, 11, and cloudy, 9, as against normals of 15, 10 and 6 days respectively.

RIVER CONDITIONS.

The Santee River was above flood at Rimini from the 10th to the 16th and at Ferguson from the 12th to the 19th. The Black River was above flood at Kingstree on the 15th, 16th and 17th. In the remaining rivers of the Section the flow of water was moderate.

MISCELLANEOUS PHENOMENA.

Fogs, dense (*dates*).—Cheraw, 13, 22; Mayesville (near), 21, 26.

Hail (*dates*).—Cheraw, 25; Calhoun Falls, 23; Columbia, 2, 4; Gaston Shoals, 17; Kingstree, 4; Landrum, 26; Little Mountain, 3, 4; Mayesville (near), 3; Newberry, 3, 4; Oaks, 4; Pelzer, 4; Winnsboro, 2; Winthrop College, 17; Yemassee, 13.

Halos (*dates*).—*Lunar:* Liberty, 24. *Solar:* Liberty, 4.

Errata—April, 1915.

Centenary.—Number of rainy days (page 28), should be 5.

Darlington.—Number of rainy days (page 28), should be 6.

Dillon.—Highest temperature (page 28), should be 91° on 26th.

Florence.—Highest temperature (page 28), should be 94° on 30th; number of clear days, 18; partly cloudy, 9, and cloudy, 3.

MISCELLANEOUS DATA FOR MAY, 1915.

Stations.	Barometer—sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Sunshine—total hours.	Relative humidity—per cent.	Wind.	
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.			Average hourly velocity—miles.	Prevailing direction.
Asheville, N. C....	29.92	63.9	85	46	4.53	1.18	279.9	73	8.1	nw.
Augusta, Ga.......	29.92	75.0	94	61	7.46	3.90	274.0	70	6.5	w.
Charleston, S. C...	29.93	75.5	96	60	8.92	5.88	265.5	78	10.8	sw.
Charlotte, N. C ...	29.90	69.2	89	53	5.47	2.66	255.3	72	9.8	ne.
Columbia, S. C....	29.92	73.1	93	56	5.62	1.19	227.5	70	6.7	sw.
Savannah, Ga.....	29.93	76.4	97	60	11.13	5.65	211.7	84	12.0	sw.
Wilmington, N. C.	29.93	71.9	94	55	3.59	0.86	242.9	82	8.6	sw.
Means and extremes......	29.92	72.1	97	46	6.67	5.88	251.0	76	9.0	sw.

Climatological Data for May, 1915.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on. (0.01 in. or more)	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	26	76.3	+3.1	96	26	53	6	33	6.85	+3.48	2.22	0	10	9	16	6	w.	H. G. Harris.
Beaufort	Beaufort	21	28	^{e}74.8	+1.1	^{e} 93	16	^{e} 54	5	32	9.99	+6.25	2.22	0	7	14	10	7	se.	Miss Lillian H. Rice.
Bethune	Kershaw	289																		D. M. Bethune.
Blackville	Barnwell	296	26	76.4	+2.9	98	15	54	6	40	6.66	+3.20	2.04	0	8	15	9	7		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	12	73.6	+1.2	95	† 15	49	6	38	13.13	+9.72	4.31	0	13	18	8	5	w.	B. O. Evans.
Centenary	Marion	43		73.0		93	16	50	2	41	9.01		3.94	0	14	6	15	10	sw.	D. L. Carmichael.
Charleston	Charleston	48	44	75.5	+3.1	96	16	60	6	23	8.92	+5.45	5.88	0	10	11	8	12	sw.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	25	71.4	+0.7	92	16	50	† 2	37	6.84	+3.27	1.54	0	13					J. H. Powe.
Conway	Horry	25	29	73.2	+2.2	95	16	54	† 2	35	11.85	+8.48	5.15	0	5					Paul Quattlebaum.
Darlington	Darlington	175	19	72.0	+1.6	95	17	49	2	42	4.02	+0.62	1.75	0	9	14	3	14		D. C. McCall.
Dillon	Dillon	100	11	71.2	−0.3	92	17	50	2	37	6.29	+3.05	3.05	0	13					A. E. Rowell.
Edisto ‡‡	Bamberg	143	27								7.92	+4.95	4.19	0	9					Nathan Jenkins.
Effingham	Florence	106	22								6.30	+2.93	2.02	0	11					H. B. McCall.
Ferguson	Orangeburg	63	29	74.8	+3.7	94	16	58	† 10	28	10.13	+6.03	4.00	0	11					Joseph P. Simons.
Florence 1	Florence	136	26	72.4	−0.2	93	† 17	54	2	39	9.58	+6.02	2.41	0	8	6	15	10	sw.	H. K. Gilbert.
Florence 2	Florence	136									6.71	+3.15	1.35	0	9	12	14	5	s.	PeeDeeExperimentStation.
Georgetown	Georgetown	12	20	75.4	+3.2	95	† 16	54	6	34	12.41	+9.52	4.25	0	9	11	12	8	w.	A. P. Hazard.
Kingstree	Williamsburg	54	26	73.8	+1.6	94	16	55	† 1	37	7.61	+4.34	2.80	0	9	13	9	9	e.	A. O. Matthews.
Mayesville (near)	Sumter	70				93	† 15				15.55		5.55	0	17	4	16	11	s.	Lewis E. Warren.
Oaks	Georgetown			^{b}73.6		^{a} 95	16	^{b} 50	1	^{b}43	10.20		4.43	0	12	8	10	13	s.	O. M. Mitchell.
Pinopolis **	Berkeley	54	21	73.8	+2.9	90	† 16	60	6		7.88	+4.16	3.00	0	9	15	0	16	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	5								9.55		2.76	0	13					William B. Wolfe.
St. George	Dorchester	109	26	^{b}75.7	+2.7	^{b} 98	26	^{b} 55	1	40	8.90	+5.62	4.81	0	8					Geo. N. Snelling, M. D.
St. Matthews	Calhoun	269	26	^{a}73.5	+1.5	^{c} 96	26	^{a} 55	† 1	40	8.00	+4.39	2.15	0	11	5	10	16	e.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	19								10.44	+6.51	3.05	0	10					W. G. Walker.
Society Hill	Darlington	192	23	72.0	+1.0	96	15	49	1	42	5.83	+2.61	1.50	0	13	5	19	7	sw.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	17	75.0	+3.0	94	† 16	53	6	35	9.01	+6.00	4.69	0	11	6	21	4	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	12	76.0	+3.0	96	† 25	^{a} 50	6	^{a}39	8.72	+3.07	3.31	0	16	11	16	15		J. A. Westerberg.
Yemassee	Hampton	24	19	74.7	+1.7	95	† 15	46	6	42	11.04	+7.74	5.34	0	15	19	3	9	w.	J. G. Hutson.
Division means and extremes				74.0	+2.0	98	† 15	46	6	43	8.90	+5.02	5.88	0	11	11	11	9	w.	
Western Portion.																				
Aiken	Aiken	527	20	74.2	+1.6	94	† 15	54	6	33	5.45	+2.05	2.65	0	9	9	16	6	w.	W. M. Brown.
Anderson	Anderson	764	13	72.1	+2.2	95	15	52	28	36	4.83	+1.30	1.83	0	11	18	0	13	w.	H. H. Russell.
Batesburg	Lexington	656	26	72.6	+1.0	92	15	56	6	31	5.08	+2.66	1.89	0	5	17	7	7	e.	E. J. Hite.
Blairs	Fairfield	293	11								4.32	+1.85	1.12	0	9					J. N. Owens.
Calhoun Falls	Abbeville	508	22								5.52	+1.99	2.05	0	10					L. M. Parker.
Camden	Kershaw	222	48	72.3		94	26	52	1	36	5.64	+2.75	1.68	0	13	13	11	7	ne.	W. C. Brown.
Catawba	York	562	9								5.10	+1.78	1.51	0	13					James C. Faris.
Chappells	Newberry	402	11								5.13	+2.92	1.29	0	12					J. J. Murran.
Clemson College	Oconee	850	23	71.0	+1.9	88	† 15	53	10	33	5.95	+2.54	2.00	0	12	14	14	3	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	28	73.1	+1.3	93	26	56	10	29	5.62	+2.43	1.40	0	15	9	12	10	sw.	U. S. Weather Bureau.
Edgefield	Edgefield		1								4.33		1.30	0	11					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	2								6.59		1.99	0	14					Harry A. Parshall.
Greenville	Greenville	989	22	69.6	+2.2	91	26	51	9	36	6.33	+2.01	2.38	0	10	9	15	7	nw.	Spartan Goodlette.
Greenwood	Greenwood	671	26	71.0	−0.4	91	16	55	† 10	29	4.84	+1.22	1.70	0	8	15	0	16	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	13	69.1	−1.7	89	26	54	2	35	5.75	+2.56	1.70	0	11	1	21	9	w.	J. Marvin Bowers.
Landrum	Spartanburg	1063		68.9		95	16	49	2	41	6.21		2.15	0	12	13	11	7		R. Hartwell Wilds, D. D.
Liberty	Pickens	900	20	72.2	+1.8	94	† 15	52	† 6	37	6.29	+1.61	2.10	0	13	11	14	6	w.	John T. Boggs.
Little Mountain	Newberry	711	21	73.0	+0.8	93	† 15	57	28	27	5.58	+3.15	1.00	0	12	13	9	9	w.	J. M. Sease, M. D.
Meriwether	Edgefield		11	74.8	+4.0	95	† 2	54	† 1	41	5.27	+2.79	2.05	0	8	7	8	16		William S. Middleton.
Monetta	Saluda	400	8	73.8		94	15	54	6	35	5.05		1.46	0	12	7	18	6	sw.	Joseph M. Johnson.
Newberry	Newberry	502	27	73.0	+1.6	95	15	54	1	38	5.95	+2.58	1.13	0	15	2	17	12	sw.	Warren G. Petterson.
Pelzer	Anderson	850	11								5.60	+1.86	2.44	0	8					Joshua Y. Jones.
Saluda	Saluda	536	12	72.7	+1.1	96	15	50	2	45	5.38	+2.84	1.39	0	10	17	7	7	w.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	20	71.7	+0.9	92	† 16	53	† 1	38	5.28	+2.33	1.33	0	12	6	18	7	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	23	69.8	−0.3	93	† 16	51	2	38	4.40	+0.33	2.00	0	10					F. P. Robinson.
Trenton	Edgefield	620	21	72.4	0.0	92	15	^{a} 57	20	^{a}32	5.18	+1.99	1.50	0	10	15	9	7	sw.	Mrs. S. E. Long.
Winnsboro	Fairfield	545	25	70.8	−0.4	90	26	53	5	32	7.10	+4.00	1.15	0	12	17	8	6	se.	J. W. Seigler.
Winthrop College ‡‡	York	690	14	72.6	+2.4	95	† 25	52	2	37	6.12	+1.96	2.00	0	12	5	19	7	ne.	W. P. Goodman.
Division means and extremes				71.9	+1.1	96	15	49	2	45	5.44	+2.17	2.65	0	11	11	12	8	w.	
State means and extremes				73.0	+1.5	98	† 15	46	6	45	7.20	+3.69	5.88	0	11	11	11	9	w.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb: means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for May, 1915.

Stations.	Watershed.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
lendale ||||	Savannah								1.72			1.25	2.22	.06							.02	.10		.30	.59					.44	.15		6.85
aufort	Coast								2.15	.25		2.22	2.00														1.20	.33				1.84	9.99
thune	Lynches																																
ackville ||||	Edisto								1.36			.35	2.04	.32								.10			1.96				.20	.28		.05	6.66
owman	do	T.		.10				2.04	.98			4.31	1.02			T.			.06	T.	.09	T.	T.		.58		1.03	.06	.84	.40		1.62	13.13
ntenary	Pee Dee	T.		.04	.01			.52	.30	T.		2.01	3.94	T.		.02				.12	T.		T.	.08	.42		T.	.10	1.08	.33	.04	T.	9.01
arleston ***	Coast	T.		T.	T.			.95	.83	.20		1.51	4.70								T.	T.	.02				T.	.01	.22	.43		.05	8.92
eraw ||||	Pee Dee		T.	.05	.14				.81	.02			1.10	.40	.33						1.54	.10	.01		.18	.70		.08		.54	.84		6.84
nway ||||	Waccamaw				T.	T.			1.53	T.			3.61	1.10	T.										T.			T.	.31	5.15	.15		11.85
rlington ||||	Pee Dee			.06	.10				.40				1.75	.20											.70	.05				.52	.24		4.02
llon	Little Pee Dee		.04	.02	.56			.86	.03			.43	3.05	.15	.03						T.		T.		.30			.25	.43	.14		T.	6.19
listo ||||	Edisto								2.09			.45	3.74							.24		.16			.46				.11	.56	.11		7.92
lingham ||||	Lynches				.30				.60				2.02	1.46	.03	.01									.80			T.	T.	.98	.40		6.30
rguson ||||	Santee								1.05				4.00	.98	.12						.10				.32			.55	1.20	.98	.83		10.13
orence 1 ||||	Pee Dee			.08	.54				1.70				1.82	.84	1.07						T.				2.41			T.	T.	.72	.40		9.58
orence 2	do			T.	T.			1.00	.30			.95	1.30		.21									1.35	.65				.60	.35			6.71
orgetown	Coast	T.		.30	.25			.78	2.00	.30		3.15	4.25								T.			T.			T.			1.03		.35	12.41
ngstree ||||	Black			.61		.69			1.45				2.80	1.00	T.					.12	T.				.20					.74			7.61
ayesville (near)	do			.25	.30			.75		.03		5.55	3.14	.11	.41	.17				.37	.01			.01	.47			T.	.95	.70	2.32	.01	15.55
ks	do	T.		.04	.58			T.	1.65			1.71	4.43		.01	.05					T.		T.	.19	.05				1.10	.20	.19		10.20
nopolis	Cooper							1.24			1.00	3.00	1.00												.15		.12	.30	.07			1.00	7.88
mini ||||	Santee				.01				1.09			.06	2.76	.19		.27					2.12				2.10				.25	.35	.35		9.55
. George ||||	Edisto								.80			.71	4.10							.55								.09	1.65	.55	.45		8.90
. Matthews ||||	Santee								2.00				2.15	.70								.55			.75				.55	1.05	.25		8.00
niths Mills ||||	Pee Dee				T.	T.			1.58				3.05	2.15		.05									1.28			T.	.18	1.95	.20		10.44
ciety Hill ||||	do	T.	.10	.53	T.			.52	T.			1.50	.75	.11						T.	.01			.54	T.		.13	.03	.56	.62		.43	5.83
mmerville	Ashley	T.		T.	T.			1.14	.62	.13		1.49	4.69	T.	.11				T.	.10			.02		.06	T.	T.	T.	.05	.60			9.01
alterboro	Ashepoo							.92	.54	.48	.02	3.31	1.31	.32		.04			.01	.45	.01		.09				T.	.02	.06	1.13		.01	8.72
emassee ||||	Combahee								2.22	.07	.54	.16	5.34	.23	.55						.08	.03		.02	.05			T.	.32	1.00	.40	.03	11.04
Western Portion.																																	
ken	Edisto							.45	.50			.75	.60	.05								.15			2.65		.15					.15	5.45
nderson	Savannah							1.83	.30			.33	.59								.10			.23	.90		.03		.46	.06			4.83
atesburg ||||	Edisto								1.89				1.20									T.			1.43				.44	.12	T.		5.08
airs ||||	Broad			.21	.10				1.12			.12	.92	.10						.08		.26			.86					.55			4.32
lhoun Falls ||||	Savannah								2.05	.11		.09	.79												1.47	.22			.41	.16		.22	5.52
mden ||||	Wateree		T.	.17	.02				1.68	.04			1.40	.90		.10					.03		.15		.52				.20	.17	.26		5.64
tawba ||||	Catawba			.03	.16				1.51				.76	.22								.15			.25	.65	.11		.20	1.03	.03		5.10
appells ||||	Saluda			.04					.97			.07	1.00	.08											1.29		.40		.70	.58			5.13
emson College	Savannah	T.			.46			2.00				.40	.67								.01			.15	.35	.01	T.		1.08	.32	.10	.40	5.95
lumbia ***	Congaree		.28		.35			1.14	.06			1.08	.62		.32					.11	.09	T.	T.	.27	.19			.24	.17	.30		.40	5.62
lgefield ||||	Savannah								1.40			.38	.77	.10											1.30	.10				.28			4.33
nston Shoals ||||	Broad		T.	.10	.43			.17	1.82				.75	.02		T.	.29		.48		.61	.03	T.	T.	.54		.01	.13	.14	1.07	T.	T.	6.59
reenville ||||	Saluda		.05	T.	T.	T.		.15	2.38				.74	.08							.02			T.	.35		.14		1.75	.67			6.33
reenwood ||||	do			.25					1.70				.81											.47	.99		.11		.18	.33			4.84
eath Spring	Wateree		.17	.13				1.70				1.10	.25								.04			.48				.20	.90	.72		.06	5.75
ndrum	Broad			T.				2.15	.07			.24	.95							T.	.12		.03	.15			.41	.02	1.10	.46		.51	6.21
berty	Savannah	.02	T.	.04	T.			2.10	.02			.20	.55		T.					T.	.02	T.	T.	.35	.40		.04	.25	1.80		T.	.50	6.29
ttle Mountain	Saluda	T.		.77	.50			.93	.07			.75	.53							T.				.10	.48			.15	.60	.30		.40	5.58
eriwether	Savannah	T.						1.46				.50	.79											T.	2.05	.09		.02	T.	.04	T.	.32	5.27
onetta	Edisto	T.		T.				1.14	.28	.01		.65	.51	.04								.17		.20	1.46			T.	.22	.07		.30	5.05
ewberry	Saluda	T.		.20	.34			.95	.15	.23		.69	.60			.14				T.		.04	T.	.36	1.13			.11	.46	.20		.35	5.95
lzer ||||	do	T.		T.		T.		.36	2.08			.04	.70	.06							.02		T.	.10	.90				1.22	.12		T.	5.60
luda	do							1.39	.15			.57	1.20								.08			.67		.26		.52		.19		.35	5.38
ntuck	Broad	T.		.13	T.			1.33	.10			.40	1.29							T.	T.		T.	.35	.76		.08	.05	.14	.27		.38	5.28
artanburg ||||	do	T.	.03	.23	.10			.17	1.83				.80	T.			.08				T.	T.			.33				.52	.31			4.40
renton	Edisto							1.46	.19	.09		.68	.46							T.	T.				1.50		.12		.33	.25	T.	.10	5.18
innsboro	Broad			.50				.88	.10			1.10	1.15		.25					.08	.12			.75				.15	.65	.55		.82	7.10
inthrop College	Catawba			.34	.20			2.00	.15			.18	.60					.63							.32	.56			.69	.25		.20	6.12

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR MAY.

Year.	Temperature.			Precipitation.		Average number of days—			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
887	72.5	97	41	3.17	10				
888	70.2	99	33	7.51	11				
889	71.7	101	35	1.97	5				nw.
890	71.0	95	30	5.44	10				sw.
891	69.0	100	36	3.57					ne.
892	71.1	94	39	5.53					
893	70.2	97	38	4.13	9	13	9	9	sw.
894	70.7	98	38	3.43	9	10	16	5	sw.
895	69.0	101	34	4.36	9	11	12	8	sw.
896	76.7	104	42	2.74	8	14	13	4	sw.
897	69.3	97	38	2.39	6	18	8	5	sw.
898	73.8	106	39	1.35	5	18	10	3	sw.
899	73.7	100	45	1.68	5	15	10	6	sw.
900	70.2	96	38	2.37	5	19	7	5	sw.
901	71.4	99	40	7.31	11	13	10	8	sw.
902	74.0	101	42	2.69	8	15	10	6	sw.

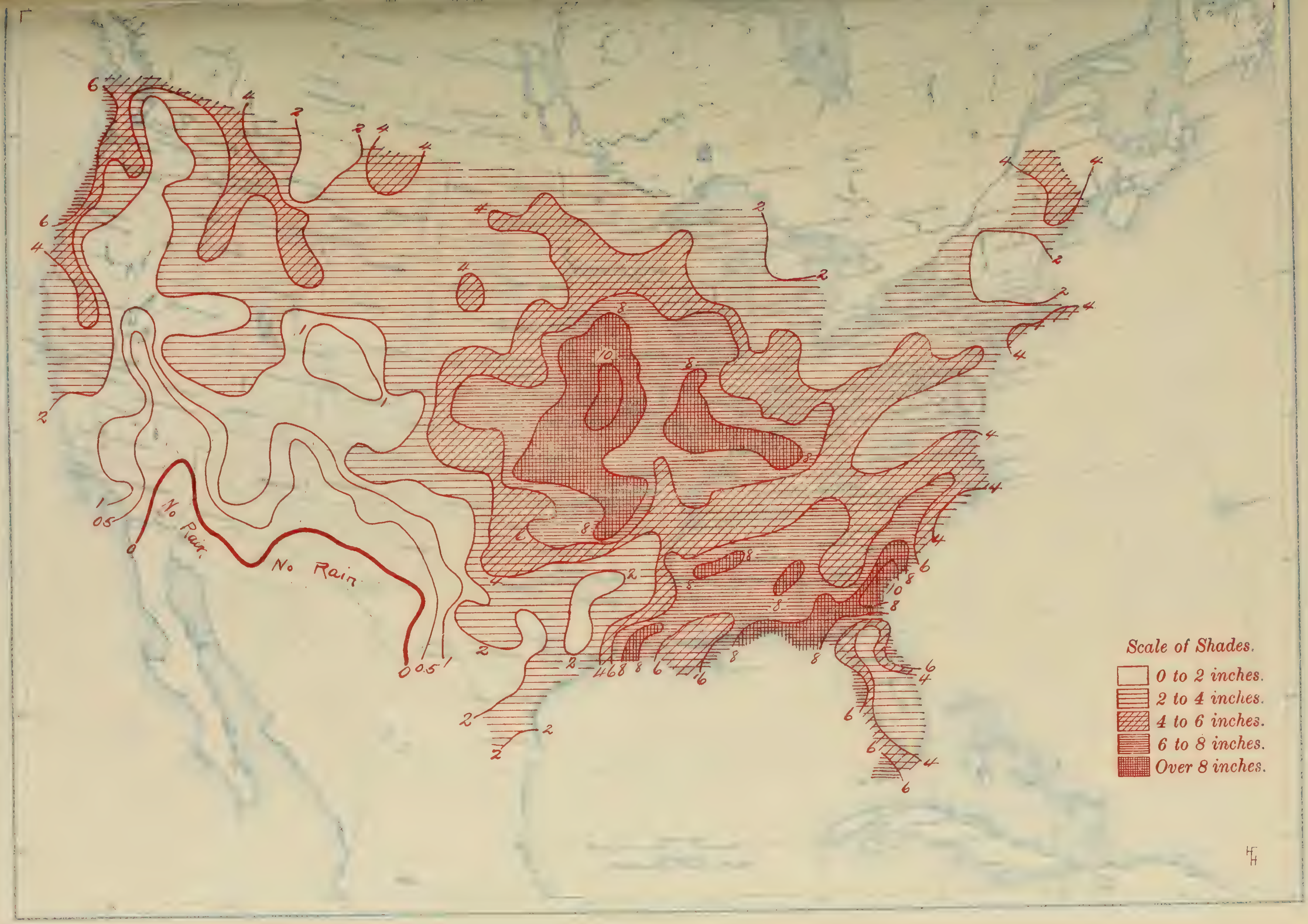
Year.	Temperature.			Precipitation.		Average number of days—			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
Continued—									
1903	70.7	104	44	2.69	9	12	9	10	ne.
1904	70.6	99	38	2.04	7	18	8	5	s.
1905	73.4	99	42	5.70	13	12	9	10	sw.
1906	70.7	99	30	3.00	7	17	6	8	sw.
1907	70.8	96	41	4.51	10	11	12	8	sw.
1908	71.8	96	36	2.92	7	16	11	4	sw.
1909	69.5	100	35	4.26	8	14	12	5	sw.
1910	69.8	99	40	4.03	8	15	10	6	sw.
1911	72.6	106	35	0.65	3	20	8	3	ne.
1912	72.4	101	43	4.08	9	16	6	9	sw.
1913	71.7	101	38	2.13	6	19	6	6	sw.
1914	72.1	105	42	0.83	3	18	10	3	sw.
1915	73.0	98	46	7.20	11	11	11	9	w.
Period	71.5	106	30	3.51	8	15	10	6	sw.

Daily Temperatures for May, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	89	94	90	89	82	89	90	87	91	92	67	76	85	90	95	95	94	92	86	81	87	87	93	93	93	96	83	85	84	86	82	87.2
	Minimum	60	63	66	71	64	53	65	65	66	59	64	62	65	65	67	70	70	66	67	66	66	66	70	67	69	73	73	61	62	64	61	65.4
Beaufort	Maximum	90	....	....	....	76	80	78	78	76	69	77	....	....	85	91	93	89	88	87	79	81	82	86	89	92	91	83	82	85	85	80	^{e} 83.5
	Minimum	58	....	....	....	54	57	65	64	67	64	64	65	....	65	68	70	72	70	70	68	....	68	67	68	75	72	62	65	67	67	67	^{e} 66.1
Blackville §§	Maximum	92	97	90	93	83	91	90	78	84	86	66	79	88	93	98	97	96	94	89	86	90	91	95	94	95	97	82	84	89	86	75	88.6
	Minimum	55	59	66	71	64	54	63	64	65	56	64	61	63	64	65	66	70	65	66	65	64	66	68	65	69	73	73	61	61	63	64	64.3
Bowman	Maximum	90	92	91	90	82	85	80	80	85	84	72	75	85	88	95	94	90	90	84	82	87	91	92	92	93	95	75	65	84	85	75	85.4
	Minimum	56	55	60	63	64	49	58	59	62	54	60	61	62	63	65	66	68	65	63	64	65	68	65	66	67	70	60	59	60	62	61	61.9
Centenary	Maximum	83	87	88	84	81	88	85	76	83	84	70	71	82	84	89	93	90	89	74	81	85	86	90	89	84	90	87	73	80	81	74	83.3
	Minimum	51	50	62	66	58	52	61	66	66	56	60	61	64	63	64	68	70	64	65	61	66	63	70	70	72	67	60	58	67	61	62	62.7
Charleston	Maximum	85	80	86	85	78	80	79	74	79	79	72	74	79	86	91	96	93	79	77	78	80	82	85	86	90	87	84	80	83	86	75	82.2
	Minimum	65	67	70	73	62	60	68	66	68	65	67	66	68	67	69	73	74	71	68	68	72	73	73	73	74	74	66	66	69	67	72	68.8
Cheraw §§	Maximum	76	88	87	88	80	87	79	73	82	80	68	69	83	84	86	92	90	91	74	76	84	86	88	90	83	91	70	67	82	81	66	81.3
	Minimum	54	50	62	64	54	50	63	64	66	58	58	60	61	61	62	63	67	62	64	57	62	64	68	68	64	68	66	57	65	60	61	61.4
Conway §§	Maximum	79	88	88	83	79	87	82	76	82	81	70	71	83	86	91	95	93	82	73	80	84	85	91	92	81	92	69	73	81	83	71	82.3
	Minimum	56	54	66	67	60	54	61	66	67	60	60	62	65	65	66	69	70	67	66	59	64	64	70	70	74	68	64	60	67	62	62	64.0
Darlington §§	Maximum	80	90	87	88	81	88	80	75	81	83	66	74	85	88	92	95	91	80	75	82	86	88	89	90	86	41	71	82	81	85	67	82.8
	Minimum	51	49	63	64	56	51	63	62	66	54	59	59	64	60	62	67	68	65	65	58	61	63	69	68	66	67	64	55	59	61	61	61.3
Dillon	Maximum	76	87	87	85	78	87	82	75	80	81	68	70	81	84	87	....	92	78	72	82	87	86	87	88	82	89	79	71	81	82	68	^{a} 81.1
	Minimum	54	50	61	63	57	52	62	66	55	57	59	60	62	62	64	....	67	64	62	59	62	63	68	68	68	66	59	56	69	62	59	^{a} 61.2
Ferguson §§	Maximum	82	89	86	90	80	88	85	76	83	85	66	76	84	86	93	94	92	86	82	82	87	86	89	87	88	91	86	88	91	82	74	85.0
	Minimum	64	64	64	70	64	63	63	65	65	58	58	64	64	65	65	66	....	67	67	64	64	67	70	62	64	64	65	65	65	67	68	^{a} 64.7
Florence 1 §§	Maximum	73	89	91	86	80	91	83	77	82	85	72	70	80	85	90	92	93	78	71	82	86	88	85	93	86	91	74	70	80	78	67	82.2
	Minimum	55	54	65	66	59	55	61	65	67	56	60	61	62	63	63	68	70	63	65	59	59	63	67	68	70	68	69	56	57	60	62	62.5
Georgetown	Maximum	88	90	85	85	82	88	82	78	78	82	78	70	72	88	92	95	94	79	82	78	85	85	90	92	95	92	84	76	82	94	80	84.9
	Minimum	62	57	65	64	60	54	64	64	64	64	64	66	64	66	68	72	70	66	68	63	63	73	77	78	72	72	62	65	68	62	68	66.0
Kingstree §§	Maximum	81	89	85	85	79	88	85	79	85	85	65	71	85	87	93	94	93	85	80	81	87	88	90	93	90	91	75	80	85	84	70	84.1
	Minimum	55	56	64	64	60	55	58	65	65	58	62	62	64	64	63	64	70	66	67	63	63	65	71	69	71	70	70	60	60	61	64	63.5
Mayesville (near)	Maximum	78	89	86	85	83	88	....	83	83	83	78	78	85	87	93	93	93	87	77	83	87	93	87	91	91	93	79	73	80	82	83	^{a} 85.0
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	69	69	69	69	62	59	61	59	63	....
Oaks	Maximum	91	89	87	86	80	88	85	77	81	84	74	70	81	85	91	95	93	90	78	82	85	86	90	91	89	92	....	74	81	85	82	^{a} 84.7
	Minimum	50	54	65	67	56	52	59	65	65	57	60	64	64	65	63	65	66	65	65	59	62	60	69	70	72	70	....	61	65	60	....	^{b} 62.6
St. George §§	Maximum	89	95	90	92	83	91	86	77	82	87	67	77	87	90	96	96	95	93	84	84	88	....	....	94	95	98	79	86	85	85	80	^{b} 87.3
	Minimum	55	60	67	71	62	58	62	65	66	58	60	63	64	62	65	68	69	64	69	64	65	66	....	....	66	71	70	59	62	63	64	^{b} 64.1
St. Matthews §§	Maximum	84	93	90	93	85	89	85	82	....	82	65	74	....	88	94	95	95	90	80	80	86	89	90	91	88	96	76	....	85	86	69	^{c} 85.7
	Minimum	55	56	65	70	60	55	62	64	65	56	62	60	63	63	....	....	....	....	....	....	....	....	....	....	....	....	....	59	....	62	65	^{n} 61.3
Society Hill §§	Maximum	91	90	87	82	87	82	74	83	81	67	71	86	87	93	96	93	85	76	81	87	90	87	91	86	91	82	77	82	84	75	76	83.9
	Minimum	49	62	62	54	52	60	63	66	55	58	59	62	59	60	66	67	60	62	58	60	62	67	66	64	67	62	54	57	58	60	52	60.1
Summerville	Maximum	84	90	85	87	80	88	83	75	76	81	70	73	84	86	92	94	93	89	83	82	86	84	89	92	94	92	81	83	84	86	79	84.7
	Minimum	55	60	66	70	71	53	64	65	67	59	66	64	65	65	66	69	69	67	70	65	67	68	68	68	72	71	65	62	67	62	64	65.2
Walterboro	Maximum	89	94	90	88	83	89	84	75	80	86	86	76	87	88	94	95	94	91	85	85	87	88	93	93	96	96	84	88	85	86	81	87.6
	Minimum	56	61	66	72	62	50	65	64	68	59	64	63	65	62	65	67	69	65	69	65	66	65	68	67	61	73	65	61	66	....	60	^{a} 64.3
Yemassee §§	Maximum	89	92	90	88	82	88	87	76	78	84	70	76	83	89	95	95	93	91	87	84	85	87	91	95	95	94	88	86	86	88	85	87.0
	Minimum	55	55	63	65	58	46	61	63	63	59	60	62	63	60	61	64	68	64	65	65	65	64	67	65	64	70	68	62	64	60	64	62.4
Western Portion.																																	
Aiken	Maximum	86	90	92	90	83	88	84	73	79	80	81	77	84	88	94	94	92	89	82	81	86	90	89	90	91	93	86	72	87	82	83	85.7
	Minimum	58	59	62	68	60	54	64	62	65	61	55	61	60	64	65	67	66	64	64	62	64	65	67	64	68	69	63	58	64	58	59	62.6
Anderson	Maximum	87	94	92	88	82	89	79	80	83	82	71	72	85	90	95	93	85	85	76	75	88	83	90	91	91	93	81	61	83	77	71	83.7
	Minimum	60	58	66	67	57	56	62	62	55	55	60	59	62	60	64	68	67	59	56	55	62	64	67	65	66	63	56	52	59	56	58	60.5
Batesburg §§	Maximum	88	91	90	88	81	88	75	77	77	78	64	73	81	87	92	91	89	86	90	82	86	88	87	88	89	91	74	65	73	80	69	82.5
	Minimum	60	61	64	67	58	56	61	64	65	59	61	60	59	60	62	64	70	62	63	61	64	64	66	64	66	70	71	57	60	60	61	62.6
Camden §§	Maximum	83	89	87	88	82	87	80	74	80	80	67	73	84	87	93	93	90	85	72	81	88	88	90	81	89	44	72	67	84	84	67	82.5
	Minimum	52	53	61	68	57	57	58	67	67	56	57	62	63	62	63	63	64	65	66	60	60	67	68	66	67	69	70	59	59	60	60	62.1
Clemson College	Maximum	84	85	86	85	80	80	80	77	78	77	75	68	79	84	88	88	88	85	80	72	79	80	85	86	83	85	86	66	76	78	72	80.5
	Minimum	57	60	62	68	58	54	65	64	55	53	60	59	60	62	63	67	69	58	60	58	64	70	67	68	64	65	65	56	60	58	61	61.6
Columbia	Maximum	82	90	87	85	80	86	79	74	81	80	66	76	85	88	92	92	89	86	73	80	85	89	85	90	91	93	79	65	84	82	70	82.7
	Minimum	58	61	66	61	60	58	64	64	66	56	60	62	60	63	66	71	69	63	62	61	66	68	70	66	72	71	60	58	63	63	61	63.5
Greenville §§	Maximum	84	88	87	86	82	85	66	80	81	80	66	75	85	90	90	89	88	83	68	74	86	84	88	90	90	91	71	61	80	78	61	80.9
	Minimum	58	52	58	61	52	55	59	62	51	55	56	57	59	61	60	63	64	56	57	55	56	66	63	66	62	63	66	53	54	53	58	58.4
Greenwood §§	Maximum	86	88	87	85	79	86	70	76	79	77	64	72	82	85	90	91	87	83	68	77	85	86	85	87	86	89	73	64	82	79	65	80.4
	Minimum	59	55	62	67	56	56	59	63	63	55	59	60	61	62	66	69	67	60	61	57	57	66	68	61	68	67	68	55	57	58	62	61.5
Heath Spring	Maximum	72	86	80	84	76	70	68	70	75	71	70	71	81	85	80	81	86	75	70	78	81	85	88	86	83	89	79	62	77	81	71	77.8
	Minimum	56	54	62	63	55	56	55	62	65	64	62	56	56	61	58	60	62	57	62	55	66	65	68	67	66	68	59	55	58	60	58	60.4
Landrum	Maximum	81	90	82	91	80	83	73	77	78	76	71	74	88	89	89	95	88	78	71	65	85	84	90	87	92	89	74	61	79	77	73	81.0
	Minimum	57	49	57	64	50	50	61	62	55	51	56	55	57	62	62	62	63	53	56	54	58	56	59	53	60	60	54	51	58	59	56	56.8
Liberty	Maximum	83	91	90	83	83	87	77	81	82	80	72	78	88	90	94	91	88	85	79	75	87	86	90	92	51	94	88	63	84	77	75	84.0
	Minimum	57	54	60	68	55	52	63	63	55	52	60	58	58	61	66	70	69	58	63	58	63	69	65	68	62	64	57	53	55	59	59	60.5
Little Mountain	Maximum	82	90	85	83	78	85	85	74	77	79	72	75	82	86	93	93	89	83	78	78	80	84	88	89	90	93	84	62	82	83	75	82.5
	Minimum	63	63	64	64	58	62	64	64	61	59	60	60	59	68	67	70	69	62	63	59	60	65	64	65	70	73	60	57	62	63	60	63.4
Meriwether	Maximum	87	95	95	90	84	90	82	78	83	82	72	78	87	91	95	95	92	91	82	82	89	92	92	93	95	95	90	69	89	89	73	87.
	Minimum	54	58	60	70	60	55	68	63	65	54	62	63	59	61	65	65	65	62	65	63	64	66	68	65	65	65	63	60	63	60	62	62.5
Monetta	Maximum	84	91	89	89	81	88	81	72	78	81	74	77	83	87	94	92	90	87	81	81	87	89	90	89	91	92	88	65	84	81	77	84.
	Minimum	56	58	63	69	59	54	64	64	66	59	61	62	61	65	66	70	70	63	65	61	66	65	68	62	69	71	62	58	63	60	62	63.
Newberry	Maximum	85	92	89	85	81	88	79	77	82	80	71	77	85	90	95	93	90	86	77	81	88	91	85	91	92	93	83	63	86	83	70	84.1
	Minimum	54	58	65	62	56	55	65	64	64	56	61	61	59	61	63	64	67	61	62	58	66	66	70	66	68	70	62	58	62	58	61	62.
Saluda	Maximum	88	95	91	91	83	88	77	77	83	76	71	77	87	91	96	93	90	88	77	82	87	91	....	92	91	94	82	65	88	82	81	^{a} 85.
	Minimum	50	50	62	70	55	51	65	64	51	52	61	61	59	58	52	66	67	60	63	60	64	66	69	65	65	67	61	68	62	58	57	60.
Santuck	Maximum	87	91	87	88	80	87	74	78	82	78	69	74	85	88	91	92	88	83	72	78	86	87	89	88	90	92	79	63	82	82	70	82.
	Minimum	53	53	61	68	58	53	63	63	62	56	60	60	59	60	62	66	69	58	59	56	64	66	62	66	67	66	60	57	60	58	59	60.
Spartanburg §§	Maximum	79	89	87	86	81	85	67	81	78	78	66	74	85	89	91	93	91	82	66	71	87	86	90	92	89	93	70	62	82	82	60	81.
	Minimum	56	51	60	61	56	53	54	54	53	54	59	57	58	61	61	65	67	56	57	54	55	65	63	67	67	64	65	53	54	58	58	58.
Trenton	Maximum	89	91	90	87	80	87	79	73	76	80	71	72	83	81	92	91	81	87	79	81	81	88	82	88	89	90	82	68	72	84	70	82.
	Minimum	60	64	67	70	59	58	63	64	66	58	60	61	61	60	60	60	68	62	65	57	66	65	65	61	72	61	62	58	....	62	62	^{a} 62.
Winnsboro	Maximum	88	88	82	85	78	85	80	78	78	75	65	70	80	80	87	91	82	84	72	72	82	87	85	88	85	90	80	62	83	80	68	80.
	Minimum	58	57	58	67	53	58	60	62	64	60	58	58	56	62	61	68	68	65	58	52	65	65	68	68	67	68	63	56	58	58	58	61.
Winthrop College	Maximum	83	89	85	87	81	89	82	76	85	84	78	73	83	86	92	89	89	81	77	77	88	90	91	91	95	95	86	64	86	85	84	84.
	Minimum	56	52	61	66	55	54	61	59	61	57	60	58	59	61	63	66	64	65	58	59	64	65	68	67	65	66	62	56	60	60	58	60.

Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing: For example, ^{b} represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.



Scale of Shades.
▭ 0 to 2 inches.
▤ 2 to 4 inches.
▨ 4 to 6 inches.
▤ 6 to 8 inches.
▦ Over 8 inches.
No Rain.
No Rain
HH

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CLIMATOLOGICAL DATA

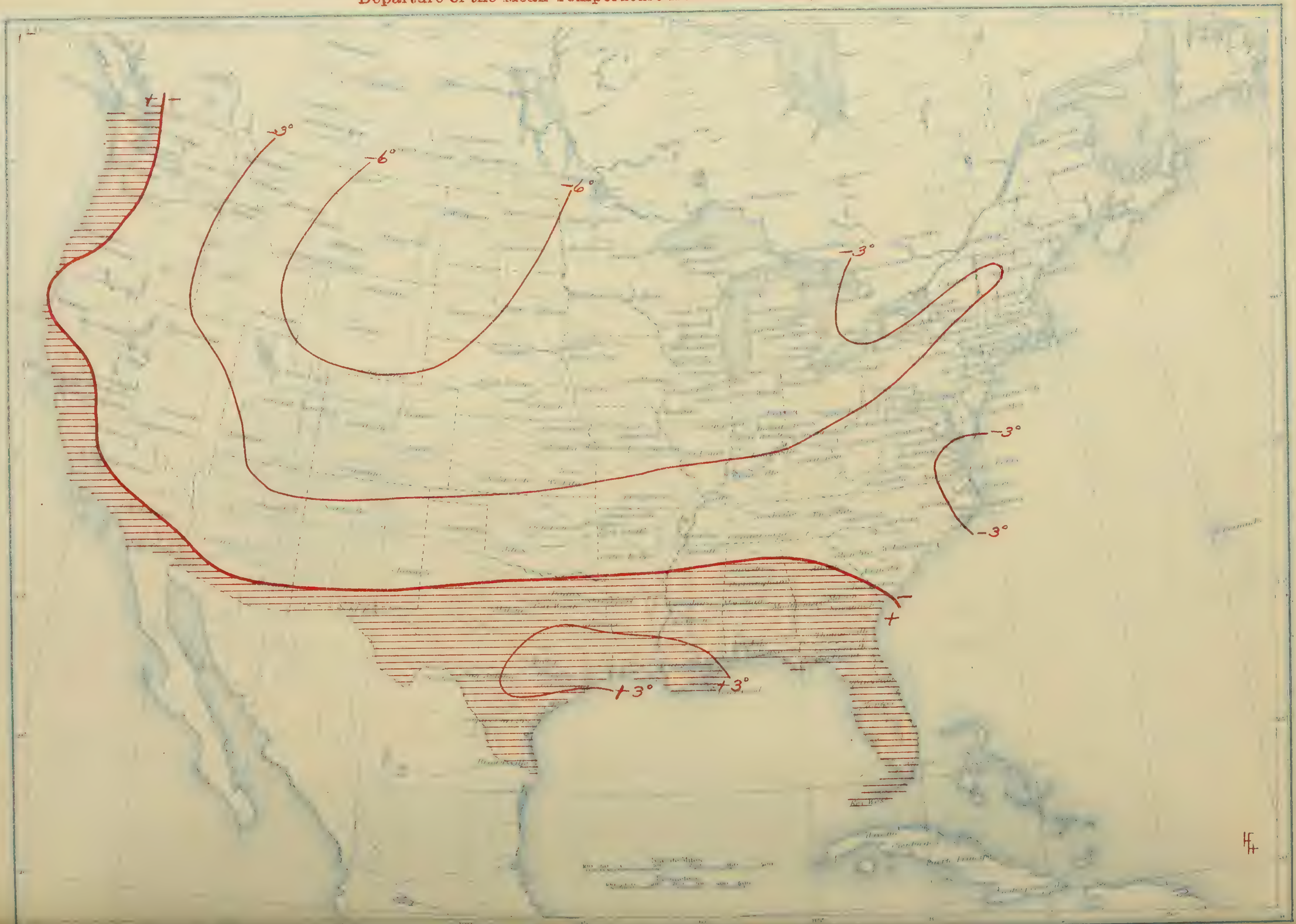
SOUTH CAROLINA SECTION

JUNE, 1915

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
July 29, 1915.

Departure of the Mean Temperature from the Normal, June, 1915.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

Vol. XVIII. Columbia, S. C., June, 1915. No. 6.

GENERAL SUMMARY.

June was somewhat cooler than usual. Precipitation was below the average, and the amounts of rainfall were unevenly distributed over the Section after the 10th. Moderate freshets occurred in the lower Catawba, Wateree, Santee and Pee Dee rivers during the early part of the month, incident to heavy rains in the upper drainage areas on May 31 and June 1. Abnormally cool weather and cold rains at the beginning of the month were unfavorable for cotton and corn. The grain harvests proceeded under considerable difficulty, and grass accumulated rapidly in the fields. A period of relatively dry weather followed, which enabled planters to cultivate extensively. Intermittent showers during the last two decades, while generally beneficial, interfered materially with proper cultivation of cotton, corn and truck, but intervening sunshine accelerated growth. The closing week was too cool for cotton, which was fruiting on short plants and had become spotted in many counties. The month closed with other crops generally in favorable condition, although tobacco had not developed as desired. Much corn was laid by, and forage peas were being sown. Pastures were greatly improved. Fruits and vegetables were plentiful.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.00 inches. The highest pressure in the region covered by reports was 30 21 inches at Charleston and Columbia, S. C., and at Savannah, Ga., on the 14th, and also at Wilmington, N. C., on the 28th; lowest, 29.62 inches at Wilmington, N. C., on the 2d, and in the Section proper, 29.66 inches at Charleston on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 43 stations, was 76.0°, or 1.6° below the established normal. The highest temperature was 103° at Camden, Kershaw Co., on the 22d. The warmest period of the month was generally between the 20th and 22d. The lowest temperature was 49° at Society Hill, Darlington Co., on the 1st. The coolest period was during the first 5 days of the month.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 80 per cent; 8 p.m., 71 per cent; for the month, 76 per cent. The highest average percentages occurred over the extreme southern coast district and extreme northwestern counties, and the lowest, over the north-central and west-central counties.

PRECIPITATION.

The average for the Section, 55 stations reporting, was 4.26 inches, or 0.77 inch below the established normal. Copious rains fell throughout the Section on the 1st and 2d, followed by relatively dry weather until the 10th; during the remainder of the month there were intermittent showers, with very unequal distribution of rainfall. The greatest amounts, with few exceptions, were recorded in the southern and western counties, where the measurements ranged from 4 to over 9 inches. Over the northeastern third of the Section, and a few counties of the western portion, the amounts were less than 3 inches and ranged downward to less than 2 inches. The greatest local monthly amount was 9.68 inches at Blackville, Barnwell Co.; least, 1.24 inches at Bowman, Orangeburg Co. The greatest 24-hour amount locally was 3.33 inches at Anderson, Anderson Co. The average number of rainy days was about 10 per cent below normal.

WIND.

The prevailing winds were from the south. The average hourly velocity, determined from 7 anemometer records, was 7.3 miles. In the Section proper the averages were 5.5 miles per hour at Columbia and 9.5 miles per hour at Charleston. The highest velocity for any 5-minute period in the region covered by reports was 39 miles per hour from the west at Charlotte, N. C., on the 15th, and in the Section proper, 29 miles per hour from the east at Charleston on the 29th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 285.0 hours, or 68 per cent of the possible amount. The average number of clear days was 14; partly cloudy, 10, and cloudy, 6, as against normals of 12, 11 and 7 days, respectively.

RIVER CONDITIONS.

Heavy rains in the upper Catawba watershed on May 31 and June 1 were followed by freshets in the lower Catawba, Wateree and Santee rivers. The crest of the flood passed Catawba on the 2d, with a stage of 11.6 feet, or 0.6 foot above flood, and Camden on the 3d, with a stage of 26.0 feet, or 2.0 feet above flood. The Santee river was in flood at Rimini from the 3d to the 10th, with a crest of 13.5 feet on the 6th and 7th, and at Ferguson from the 4th to the 14th, with a crest of 13.3 feet on the 8th and 9th. The losses from floods were nominal, while the value of movable property saved by warnings of the Weather Bureau was estimated at $24,400. A freshet in the upper Pee Dee River at Cheraw, with a crest stage of 30 feet, incident to the beforementioned series of heavy rains, caused a loss of $3,500, mostly inundated crops, while movable property saved at the instance of the warnings of the Weather Bureau was estimated at $17,000. The remaining rivers of the Section were relatively low.

MISCELLANEOUS PHENOMENA.

Fogs, dense (dates).—Columbia, 17, 27; Liberty, 2, 17; Mayesville (near), 17, 18.

Halo (date).—*Solar:* Columbia, 27.

Errata—May, 1915.

Pinopolis.—Mean temperature (page 30), should be 73.6°.

Rainy Days (page 30)—Cheraw, should be 15; Conway, 6; Florence, 9; Winnsboro, 13.

MISCELLANEOUS DATA FOR JUNE, 1915.

Stations.	Barometer—sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Sunshine—total hours.	Relative humidity—per cent.	Wind.	
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.			Average hourly velocity—miles.	Prevailing direction.
Asheville, N. C.	30.01	67.6	87	49	4.74	1.00	269.8	80	6.3	nw.
Augusta, Ga.	30.00	77.5	98	59	4.25	1.15	295.0	72	5.1	ne.
Charleston, S. C.	29.99	78.0	93	60	4.52	1.87	328.5	74	9.5	s.
Charlotte, N. C.	30.01	73.1	91	52	5.45	1.04	276.0	72	8.4	ne.
Columbia, S. C.	30.00	76.2	97	56	3.74	0.98	272.9	73	5.5	ne.
Savannah, Ga.	29.99	79.0	97	64	4.49	1.40	257.2	80	9.3	s.
Wilmington, N. C.	30.00	75.1	94	57	2.28	1.08	295.6	78	7.2	sw.
Means and extremes	30.00	75.2	98	49	4.21	1.87	285.0	76	7.3	ne.

Climatological Data for June, 1915.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on (0.01 in. or more)	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	26	78.3	−1.5	100	21	61	3	31	2.68	−2.72	1.27	0	7	13	7	10	w.	H. G. Harris.
Beaufort	Beaufort	21	28	^{a}76.5	−2.9	^{a} 93	22	^{a} 62	2	27	4.91	−0.98	1.90	0	8	21	9	0	s.	Miss Lillian H. Rice.
Blackville	Barnwell	296	26	78.1	−1.6	101	21	58	† 2	33	9.68	+4.06	1.69	0	9	19	5	6	......	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	12	76.5	−1.7	99	21	57	5	33	1.24	−4.50	0.41	0	5	21	5	4	w.	B. O. Evans.
Centenary	Marion	43	....	77.8	......	99	22	55	24	36	2.74	....	1.37	0	10	14	10	6	w.	D. L. Carmichael.
Charleston	Charleston	48	44	78.0	−0.5	93	20	60	4	20	4.52	−0.87	1.87	0	7	19	6	5	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	25	75.2	−2.1	96	† 20	55	4	30	3.28	−2.08	1.00	0	9	....	....	....	......	J. H. Powe.
Conway	Horry	25	29	^{a}75.7	−1.7	^{a} 95	† 21	^{a} 58	† 5	32	3.90	−1.19	1.80	0	7	....	....	....	......	Paul Quattlebaum.
Darlington	Darlington	175	19	^{b}75.5	−1.4	^{b} 98	20	^{b} 55	5	33	4.66	−1.42	1.84	0	7	14	3	13	......	D. C. McCall.
Dillon	Dillon	100	11	^{a}75.2	−2.1	^{a} 99	22	^{a} 57	† 4	34	2.03	−3.05	0.75	0	8	....	....	....	......	A. E. Rowell.
Edisto ‡‡	Bamberg	143	27	......	......	......	......	......	......	....	4.01	−2.54	1.27	0	7	....	....	....	......	Nathan Jenkins.
Effingham	Florence	106	22	......	......	......	......	......	......	....	2.42	−3.93	1.20	0	6	....	....	....	......	H. B. McCall.
Ferguson	Orangeburg	63	29	76.4	−0.7	96	22	57	4	31	4.77	−1.07	1.05	0	10	....	....	....	......	Joseph P. Simons.
Florence 1	Florence	136	26	76.5	−2.0	99	† 20	57	† 4	33	2.56	−2.85	0.96	0	7	8	18	4	ne.	H. K. Gilbert.
Florence 2	Florence	136	....	......	......	......	......	......	......	....	2.03	−2.38	1.27	0	7	5	16	9	s.	PeeDeeExperimentStation.
Georgetown	Georgetown	12	20	77.6	−1.0	99	21	57	6	31	3.90	−1.85	1.50	0	4	9	19	2	s.	A. P. Hazard.
Kingstree	Williamsburg	54	26	76.8	−1.4	98	22	58	† 4	30	3.49	−2.01	0.95	0	8	18	8	4	nw.	A. O. Matthews.
Mayesville (near)	Sumter	70	....	76.3	......	98	22	^{a} 56	6	^{a}34	3.56	....	1.00	0	8	13	8	9	s.	Lewis E. Warren.
Oaks ††	Georgetown	......	....	^{b}75.0	......	^{b} 94	† 21	^{b} 58	4	31	6.15	....	2.44	0	13	16	8	6	w.	O. M. Mitchell.
Pinopolis **	Berkeley	54	21	75.6	−1.0	94	21	62	† 4	....	1.99	−3.90	1.04	0	7	15	0	15	sw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	5	......	......	......	......	......	......	....	2.22	....	0.43	0	10	....	....	....	......	William B. Wolfe.
St. George	Dorchester	109	26	^{a}78.3	−0.3	^{a}100	† 21	^{a} 58	4	35	3.82	−1.61	1.00	0	10	....	....	....	......	Geo. N. Snelling, M. D.
St. Matthews	Calhoun	269	26	77.0	−0.8	99	20	56	4	31	2.77	−3.20	0.69	0	9	6	16	8	s.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	19	......	......	......	......	......	......	....	4.86	−0.35	1.15	0	11	....	....	....	......	W. G. Walker.
Society Hill	Darlington	192	23	74.6	−2.5	101	21	49	1	42	3.35	−2.63	1.70	0	5	16	11	3	n.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	17	76.6	−0.8	96	22	58	4	31	8.90	+3.14	1.93	0	11	13	15	2	e.	Miss E. H. Gadsden.
Walterboro	Colleton	69	12	^{a}77.6	−0.8	^{a} 97	21	59	† 4	^{a} 31	4.73	−0.94	1.89	0	14	15	7	8	......	J. A. Westerberg.
Yemassee	Hampton	24	19	76.7	−2.1	98	21	58	6	33	4.31	−1.75	1.90	0	8	19	6	5	ne.	J. G. Hutson.
Division means and ex	tremes	......	....	76.7	−1.4	101	21	49	1	42	3.86	−1.86	1.93	0	8	15	9		s.	
Western Portion.																				
Aiken	Aiken	527	20	76.0	−2.7	97	21	56	2	32	8.35	+3.63	1.60	0	11	16	13	1	se.	W. M. Brown.
Anderson	Anderson	764	13	76.0	−0.2	99	22	55	2	35	5.37	−0.21	3.33	0	9	17	3	10	w.	H. H. Russell.
Batesburg	Lexington	656	26	75.4	−2.4	95	22	54	4	32	6.16	+1.08	0.97	0	13	24	1	5	s.	E. J. Hite.
Blairs	Fairfield	293	11	......	......	......	......	......	......	....	3.20	−1.96	0.86	0	9	....	....	....	......	J. N. Owens.
Calhoun Falls	Abbeville	508	22	......	......	......	......	......	......	....	2.85	−2.02	0.91	0	8	....	....	....	......	L. M. Parker.
Camden	Kershaw	222	48	76.6	......	103	22	55	3	36	1.94	−3.23	0.84	0	6	18	9	3	se.	W. C. Brown.
Catawba	York	562	9	......	......	......	......	......	......	....	4.53	−1.20	1.71	0	7	....	....	....	......	James C. Faris.
Chappells	Newberry	402	11	......	......	......	......	......	......	....	4.00	−0.85	1.53	0	8	....	....	....	....	J. J. Murran.
Clemson College	Oconee	850	23	^{c}73.3	−2.5	^{c}92	22	^{c} 56	24	^{b}32	2.85	−2.32	1.09	0	8	....	....	....	w.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	28	76.2	−2.0	97	22	56	4	26	3.74	−0.44	0.98	0	11	11	14	5	ne.	U. S. Weather Bureau.
Edgefield	Edgefield	......	1	......	......	......	......	......	......	....	3.03	....	0.95	0	9	....	....	....	......	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	2	......	......	......	......	......	......	....	5.06	....	1.85	0	9	....	....	....	......	Harry A. Parshall.
Greenville	Greenville	989	22	73.8	+0.1	94	22	51	24	39	3.89	−1.32	1 25	0	12	8	18	4	nw.	Spartan Goodlette.
Greenwood	Greenwood	671	26	74.4	−3.5	94	† 20	55	2	30	2.80	−1.74	1.23	0	4	20	0	10	e.	M. M. Calhoun.
Heath Spring	Lancaster	568	13	73.2	−1.9	97	22	54	† 2	33	2.61	−3.00	0.75	0	7	5	23	2	w.	J. Marvin Bowers.
Landrum	Spartanburg	1063	....	72.2	......	94	13	54	† 1	33	8.63	....	3.09	0	10	16	11	3	......	R. Hartwell Wilds, D. D.
Liberty	Pickens	900	20	75.8	−0.8	96	22	56	1	38	5.26	−0.14	3.20	0	10	10	14	6	sw.	John T. Boggs.
Little Mountain	Newberry	711	21	75.7	−2.2	97	† 21	55	2	32	3.29	−1.32	1.20	0	8	20	3	7	s.	J. M. Sease, M. D.
Meriwether	Edgefield	......	11	77.6	+0.1	100	21	57	2	38	5.54	+0.81	1.00	0	12	....	....	....	......	William S. Middleton.
Monetta	Saluda	400	8	76.0	......	96	20	56	2	33	6.12	....	1.63	0	14	8	17	5	ne.	Joseph M. Johnson.
Newberry	Newberry	502	27	76.2	−2.6	100	20	55	2	36	4.79	+0.44	1.40	0	11	3	20	7	sw.	Warren G. Peterson.
Pelzer	Anderson	850	11	......	......	......	......	......	......	....	3.64	−0.88	1.20	0	9	....	....	....	......	Joshua Y. Jones.
Saluda	Saluda	536	12	75.4	−2.2	^{a} 97	22	55	† 2	36	5.85	+0.83	2.30	0	14	23	5	2	nw.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	20	75.4	−1.3	99	22	54	2	37	3.66	−0.56	2.72	0	8	11	13	6	s.	E. W. Jeter.
Spartanburg	Spartanburg	875	23	74.1	−2.8	94	† 11	54	2	35	4.18	−0.94	2.00	0	7	...	....	....	......	F. P. Robinson.
Trenton	Edgefield	620	21	75.6	−2.9	99	20	50	2	34	6.24	+1.57	1.57	0	11	16	9	5	e.	Mrs. S. E. Long.
Winnsboro	Fairfield	545	25	73.4	−3.3	93	22	52	4	37	5.98	+1.33	1.70	0	10	17	10	3	ne.	J. W. Seigler.
Winthrop College ‡‡	York	690	14	76.0	0.0	95	22	53	2	39	5.70	+0.32	2.25	0	6	13	16	1	sw.	W. P. Goodman.
Division means and ex	tremes	......	....	75.1	−1.8	103	22	51	24	39	4.62	−0.50	3.33	0	9	14	11	5	sw.	
State means and extre	mes	......	....	76.0	−1.6	103	22	49	1	42	4.26	−0.77	3.33	0	9	14	10	6	s.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb: means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for June, 1915.

Stations.	Watershed.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
llendale ||||	Savannah	1.27	.21														.07	.04		.08			.48			.28	.25						2.68
eaufort	Coast	1.13					T.								.07		.85				.12					.28	1.90		.25		.31		4.91
lackville ||||	Edisto	1.68	1.67						.10				.85	.88			.12	1.69					.43			.18	.28			1.45	.35		9.68
owman	do	.05											.28				.18	T.				T.				.32					.41		1.24
entenary	Pee Dee	.44	.36										T.			.12	.10	.05	T.			.03				1.37	.08		.15		.04		2.74
harleston ***	Coast	1.87	T.													T.		.41	.18			T.				1.10	.69	T.	T.	.21	.06		4.52
heraw ||||	Pee Dee	.57	.20	.01						.92				.07		.02	.06	.18					.10			.15	1.00		T.				3.28
onway ||||	Waccamaw	.11	.43		T.												1.80		.38	.05			T.			T.	.78	T.			.35		3.90
arlington ||||	Pee Dee	.11	1.84											.33				1.37					.21			.28	.52						4.66
illon	Little Pee Dee	.58	.13						.01				.31				.20					.03				.75	.02						2.03
listo ||||	Edisto	1.17	.10															1.23					.54			.18				.32	.47		4.01
fingham ||||	Lynches	T.	.50										T.	.50				.22								.70	.50				T.		2.42
erguson ||||	Santee	.96	.94											1.05			.51	.33	.32				.05			.05	.53			.03			4.77
lorence 1 ||||	Pee Dee	.04	.60											.07				.34					.15			.40	.96				T.		2.56
lorence 2	do	.85	.25										T.				.26	.14				.18				1.27	.08						3.03
eorgetown	Coast	.40	T.						1.00							T.			T.			1.00				1.50	T.		T.	T.	T.		3.90
ingstree ||||	Black	.23	.69							T.				.35			.12	.90	T.	.10			.15			T.	.95						3.49
ayesville (near)	do	1.00	.72	.31													.46	.04	.02							1.00					.01		3.56
aks	do	.26	.61													.68	.32	.94	.04			.07	.01			2.44	.70	.01	.02		.05		6.15
inopolis	Cooper	.12	.04													.05	.68					.01				1.04				.05			1.99
imini ||||	Santee	.26	.43										.06	.32				.31						.05		.40	.31			.05	.03		2.22
. George ||||	Edisto	.45	.44											.50				1.00	.05	.25		.08				.34	.33				.38		3.82
. Matthews ||||	Santee	.29	.40										.18	.68				.22		.19						.40	.29			.12			2.77
niths Mills ||||	Pee Dee	.18	.90														.35	.25	.28	.50			.70				1.15	.25		.05	.25		4.86
ociety Hill ||||	do	.60	.03										.30				.72									1.70							3.35
ummerville	Ashley	1.93	.69													.11	1.59	.63	1.00							.67	1.46		.05	.04	.73		8.90
alterboro	Ashepoo	1.89	.39						.30				.03			.09	.29	.33	.19			.07				.43	.19		.01	.26	.26		4.73
e nassee ||||	Combahee	1.90	.50															.57		.06		T.	.84			T.	.32	.03		T.	.09		4.31
Western Portion.																																	
iken	Edisto	.60	.55											.20		1.60	1.10	.15	1.08		.60					1.05				.30	1.15		8.38
nderson	Savannah	.30	.35						.10			.10			.06	.30		.56											.22		.05		5.37
atesburg ||||	Edisto	.87	.42	T.					.31				.43		.52		.21	.83	.14	.52		.21	T.		.97		.32				.41		6.16
lairs ||||	Broad	.85	.18	.30									.32		.07			.47				.07				.86					.18		3.20
alhoun Falls ||||	Savannah	.38	.27														.48	.02				.33	.46							.85	.06		2.85
amden ||||	Wateree	.43	.21										.08				.06	.07	.10							.84	.15	T.	T.				1.94
atawba ||||	Catawba	.87	.49							.33						.33		1.71								.50					.30		4.53
happells ||||	Saluda	1.53	.06										.37		.19			1.33				.15	.18			.19							4.00
lemson College	Savannah	1.09	.31						.12						.45	.10														.48	.30		2.85
olumbia ***	Congaree	.16	.07					T.				.25	.04			.16	.11	.07	.80				.33			.98			.77	T.			3.74
dgefield ||||	Savannah		.95															.70				.38	.25		.20				.35		.20		3.03
aston Shoals ||||	Broad	1.85	.02						T.	.63				T.	T.	.33	.71	.77	.30			T.	.03			.02				T.	.40		5.06
reenville ||||	Saluda	1.25	.46	.05			.03		.21				.05			T.	.13	.08	.06							.03			.10	.30	1.14		3.89
reenwood ||||	do	1.23	.22											.06			1.12	.05								.20							2.88
eath Spring	Wateree	.75													.06	.02	.04	.62	.02							.68			.42				2.61
andrum	Broad	1.61	.17	T.	T.	T.		T.							.55	.83	1.32	.95				.03							.08	1.47	1.62		8.63
iberty	Savannah	.10	.50			T.	T.	.80					T.	T.	T.	.10	.15	.05	.04		T.					T.	T.	T.	.30	3.20	.02		5.26
ittle Mountain	Saluda	.80	.33						.15					T.			1.20	T.								.36			.08	.37			3.29
eriwether	Savannah	.29	.52						.16								.42	1.00	.80		.33	.12				.70			.32	.52	.36		5.54
onetta	Edisto	.54	.22						.10				.17	.03			.35	1.01	1.23		.02		.62			1.63			.01	.16	.03		6.12
ewberry	Saluda	1.40	.10						.15				.40		T.	.02	.62	.06			.11					1.20			.10	.63	T.		4.79
elzer ||||	do	1.20	.40	T.					.70								.10	.04											.18	.88	.14		3.64
aluda	do	.82	.12	.25									.16	.05			2.30	.18	.50		.05	.09				.63			.15	.10	.45		5.85
antuck	Broad	2.72		.04									.10		T.		.05	.10	T.		T.	T.				.26			.29	.10	T.		3.66
partanburg ||||	do	2.00	.04	T.												T.	.08	.05	1.75			T.	.04			T.			T.	T.	.22		4.18
renton	Edisto	.31	.35						.06				T.				1.50	1.10	.05		.75	.25				1.57			T.	.15	.15		6.24
innsboro	Broad	.23	.45									.52		T.		.18	.30	1.70	.50							.70			.50	.90			5.98
inthrop College	Catawba	2.25	.15							.45						1.05	1.30	.50															5.70

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR JUNE.

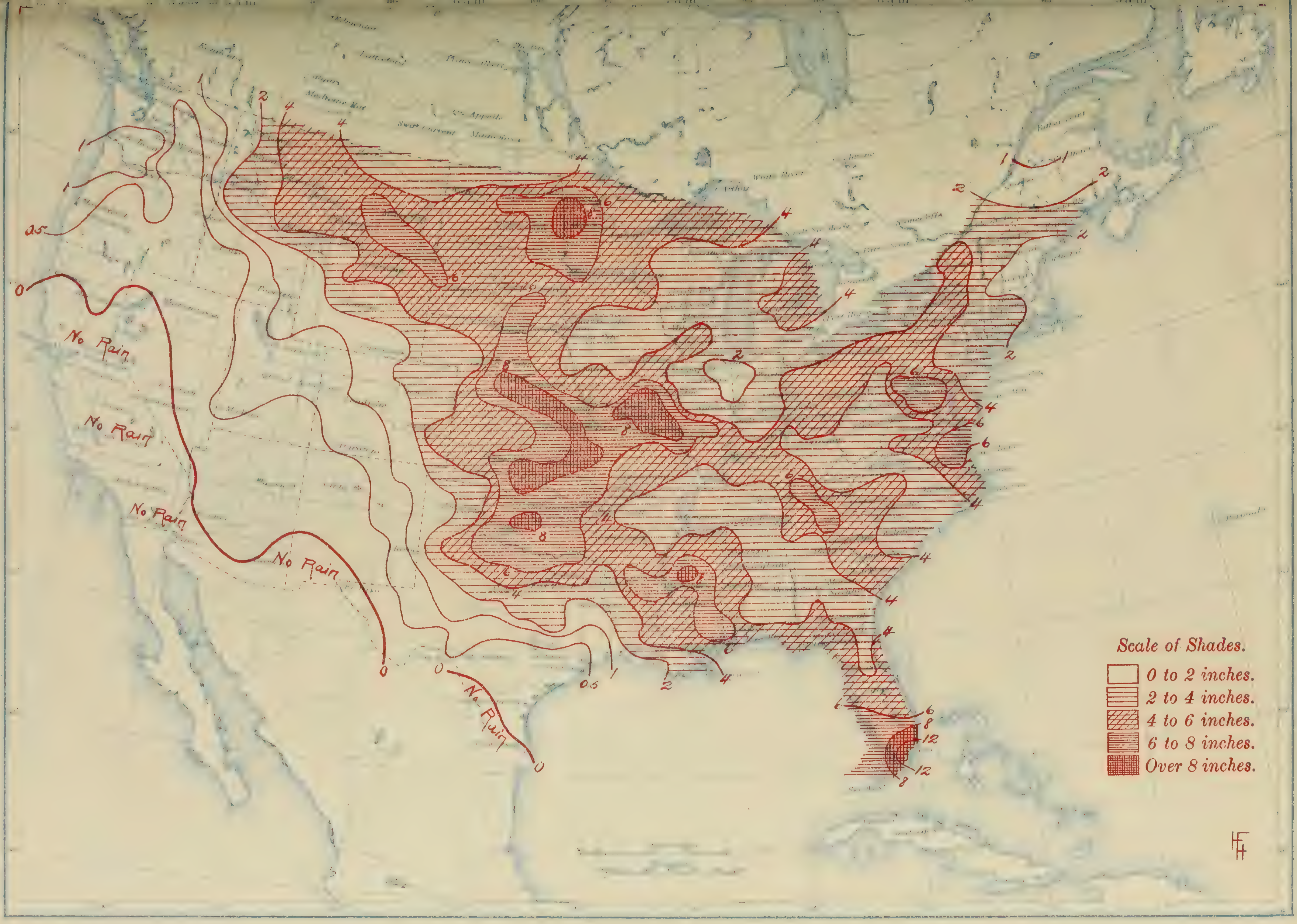
Year.	Temperature.			Precipitation.		Average number of days—			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
887	77.9	107	44	3.53	8				
888	78.1	102	51	2.73	7				sw.
889	74.4	99	39	5.10	10				se.
890	80.9	103	56	2.41	8				sw.
891	79.3			3.20					
892	75.1	99	53	5.25					sw.
893	76.5	96	53	7.64	12	10	11	9	se.
894	77.0	105	41	3.91	8	13	12	5	sw.
895	78.2	105	50	3.04	8	13	13	4	sw.
896	77.9	102	52	5.42	12	11	12	7	sw.
897	79.2	103	49	5.44	12	10	13	7	sw.
898	79.7	105	55	4.15	8	17	10	3	sw.
899	79.4	105	48	3.89	8	14	10	6	sw.
900	76.2	97	52	7.94	14	4	15	11	sw.
901	76.7	102	48	6.55	12	9	12	9	sw.
902	78.5	105	52	4.48	9	15	10	5	sw.
Continued—									
1903	74.2	96	42	8.09	14	11	10	9	sw.
1904	77.0	102	48	4.06	8	18	7	5	sw.
1905	78.9	101	43	1.92	6	6	14	10	e.
1906	78.4	102	52	8.88	12	13	8	9	sw.
1907	75.8	99	50	5.92	10	12	13	5	sw.
1908	76.6	100	48	4.90	9	13	13	4	ne.
1909	79.2	105	58	6.87	12	10	14	6	sw.
1910	75.5	98	46	7.78	13	10	11	9	sw.
1911	80.9	106	54	3.42	8	14	12	4	sw.
1912	75.5	101	48	5.68	9	13	7	10	sw.
1913	76.2	105	40	5.53	12	15	9	6	sw.
1914	81.1	108	50	3.80	8	14	12	4	sw.
1915	76.0	103	49	4.26	9	14	10	6	s.
Period	77.6	108	39	5.03	10	12	11	7	sw.

Daily Temperatures for June, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	88	81	85	82	82	85	91	94	91	92	94	94	96	94	96	90	90	89	91	99	100	99	90	92	79	84	90	89	84	92	....	90.1
	Minimum	65	62	61	62	62	60	62	70	67	62	63	71	69	69	66	70	65	67	65	70	72	71	72	65	68	68	66	74	62	69	....	66.5
Beaufort	Maximum	80	83	77	78	78	81	80	89	90	85	85	87	87	86	85	85	85	82	85	90	91	93	86	85	80	83	85	85	....	82	....	a 84.4
	Minimum	68	62	63	63	64	67	64	63	65	69	70	72	72	71	72	69	69	68	68	74	70	71	71	68	71	72	70	70	....	72	....	a 68.6
Blackville §§	Maximum	89	82	87	85	85	88	94	96	94	94	96	97	96	94	96	90	89	90	97	99	101	98	92	90	76	93	91	90	82	89	....	91.3
	Minimum	65	58	59	58	60	58	61	69	67	61	62	69	67	69	66	70	65	68	60	68	69	71	68	63	66	66	63	65	68	68	....	64.9
Bowman	Maximum	80	82	77	80	82	83	92	95	94	95	94	94	93	94	95	90	90	90	89	98	99	98	92	90	78	85	91	80	81	85	....	88.9
	Minimum	62	60	59	58	57	60	65	68	65	65	65	66	65	66	65	64	63	64	65	68	70	71	70	64	62	63	63	62	63	64	....	64.1
Centenary	Maximum	78	80	71	77	79	81	87	94	87	90	92	92	97	94	92	88	84	84	90	98	98	99	91	87	76	80	89	86	83	89	....	87.1
	Minimum	63	62	64	57	58	57	58	70	69	58	64	68	68	67	63	69	67	69	65	67	71	69	71	55	63	65	67	72	67	69	....	68.4
Charleston	Maximum	79	82	82	79	80	83	82	87	91	82	85	86	87	87	85	85	84	82	88	93	92	92	87	82	79	83	84	84	80	86	....	84.6
	Minimum	68	66	67	60	64	63	69	74	75	72	74	76	74	74	75	77	71	71	71	75	78	75	76	71	68	73	72	75	70	72	....	71.5
Cheraw §§	Maximum	75	73	68	78	79	83	88	93	83	85	91	91	94	92	92	84	88	87	90	96	64	96	87	86	65	81	87	88	87	89	....	85.7
	Minimum	60	58	62	55	58	57	60	70	65	58	60	69	68	70	67	70	68	68	64	68	70	70	66	58	62	64	67	71	68	68	....	64.6
Conway §§	Maximum	78	82	73	80	80	80	88	91	....	89	88	91	93	93	86	87	83	82	89	93	95	95	89	85	71	79	87	80	82	88	....	a 85.4
	Minimum	64	65	64	59	58	60	60	67	59	....	66	68	71	69	68	70	70	68	65	77	73	70	68	58	65	64	66	71	62	69	....	a 66.0
Darlington §§	Maximum	81	78	74	80	81	85	89	97	90	91	92	87	93	94	93	87	88	86	90	98	92	97	90	87	70	84	....	....	85	90	....	b 87.5
	Minimum	66	57	59	56	55	59	59	68	66	59	59	69	68	70	64	70	67	67	64	65	69	69	65	57	60	60	65	....	....	68	....	b 63.5
Dillon	Maximum	77	76	69	76	79	80	87	93	87	88	91	88	....	93	90	84	86	85	88	97	95	99	89	86	73	82	86	85	86	91	....	a 85.7
	Minimum	61	60	62	57	58	57	59	69	68	59	67	69	....	68	66	70	67	58	64	67	71	69	68	58	64	64	65	72	67	68	....	a 64.6
Ferguson §§	Maximum	82	80	78	78	79	83	88	93	87	87	90	93	91	91	88	89	89	87	87	95	95	96	88	84	73	84	87	85	83	88	....	86.6
	Minimum	68	60	60	57	57	59	60	62	67	62	62	64	67	67	66	66	72	71	71	78	72	72	70	65	65	67	67	71	71	70	....	66.2
Florence 1 §§	Maximum	78	79	71	78	80	80	90	95	88	91	94	91	96	96	93	82	90	90	94	99	97	99	90	90	66	84	88	89	90	90	....	87.9
	Minimum	61	58	59	57	57	58	60	69	68	61	61	68	68	70	66	71	68	68	65	68	72	70	69	60	64	62	65	72	68	69	....	65.1
Georgetown	Maximum	82	84	80	84	82	83	88	92	90	88	88	90	88	92	89	90	92	88	92	97	99	94	89	84	75	84	88	81	85	90	....	87.6
	Minimum	64	64	63	59	59	57	62	64	61	61	64	79	79	69	68	70	78	70	68	72	72	74	74	61	70	68	68	73	68	70	....	67.6
Kingstree §§	Maximum	82	82	77	78	80	83	89	94	89	90	91	91	94	94	89	88	87	87	89	97	97	98	89	87	70	84	89	83	84	90	....	87.4
	Minimum	64	60	62	58	58	60	64	70	69	60	62	67	69	68	66	70	70	69	66	68	73	71	71	61	66	65	67	71	71	68	....	66.1
Mayesville (near)	Maximum	83	81	81	79	80	84	89	93	88	88	92	92	95	94	92	86	83	87	89	93	96	98	93	89	82	83	89	85	86	88	....	88.0
	Minimum	63	59	63	57	58	56	60	69	65	58	59	69	68	67	....	69	69	67	65	67	70	71	66	60	62	61	69	70	70	67	....	a 64.6
Oaks	Maximum	83	80	76	77	79	81	86	91	88	88	90	92	93	92	89	89	87	84	87	....	94	94	87	84	69	82	86	81	....	86	....	b 85.5
	Minimum	73	63	62	58	57	60	60	67	68	57	62	69	68	63	60	67	68	69	65	65	....	70	65	59	63	65	65	70	....	69	....	b 64.5
St. George §§	Maximum	84	82	82	83	85	89	92	99	95	94	95	96	93	95	....	94	90	87	91	99	100	100	93	92	76	90	93	93	83	93	....	a 91.0
	Minimum	67	61	62	58	59	59	59	71	66	60	63	70	68	67	66	....	66	67	66	69	72	70	71	64	66	66	65	65	71	67	....	a 65.6
St. Matthews §§	Maximum	85	81	80	79	79	85	92	97	90	91	94	94	93	92	94	93	87	85	89	99	97	98	90	88	70	84	88	85	80	89	....	88.3
	Minimum	64	58	60	56	58	57	61	72	68	61	63	71	68	70	67	72	67	68	66	71	73	72	69	60	63	65	65	73	70	67	....	65.8
Society Hill §§	Maximum	78	75	81	83	85	90	95	90	89	92	94	96	95	90	87	87	87	89	100	98	101	98	96	92	88	87	84	85	90	93	....	89.8
	Minimum	49	58	55	51	56	57	68	65	56	57	67	67	69	63	70	66	65	55	56	58	60	55	....	51	52	57	62	59	59	62	....	a 59.4
Summerville	Maximum	77	80	81	79	81	84	87	93	91	89	89	91	92	92	87	82	81	85	89	95	95	96	89	87	78	85	89	85	80	87	....	86.5
	Minimum	68	63	64	58	59	59	62	68	69	62	63	69	68	67	66	69	67	68	67	70	74	72	71	64	67	69	67	70	71	68	....	66.6
Walterboro	Maximum	....	80	85	81	81	85	90	94	91	91	92	94	92	93	89	87	90	88	89	96	97	96	90	89	79	87	91	89	82	88	....	a 88.8
	Minimum	68	62	63	59	59	59	62	70	69	60	62	69	67	67	65	71	61	73	66	70	72	70	72	63	68	68	65	71	71	68	....	66.3
Yemassee §§	Maximum	87	82	85	82	82	86	89	94	93	89	90	93	92	91	88	87	89	86	91	96	98	97	90	87	78	86	91	88	82	89	....	88.6
	Minimum	66	64	62	60	59	58	60	71	66	60	62	64	64	65	64	66	66	66	65	65	70	68	69	60	62	66	69	71	70	66	....	64.8
Western Portion.																																	
Aiken	Maximum	83	78	83	81	80	83	86	92	90	90	94	95	93	92	93	86	87	86	89	96	97	95	90	88	81	83	90	87	80	85	....	87.8
	Minimum	62	56	62	57	61	59	63	66	64	62	64	69	67	67	66	65	63	65	65	69	70	69	68	63	62	65	64	68	61	66	....	64.3
Anderson	Maximum	64	83	85	81	75	82	90	91	89	91	90	93	93	96	93	86	89	91	92	94	96	99	92	89	77	90	94	82	81	84	....	87.7
	Minimum	56	56	61	59	61	61	56	65	61	67	67	67	66	69	66	67	63	64	66	71	72	69	67	61	63	60	66	67	66	67	....	64.2
Batesburg §§	Maximum	71	76	79	79	80	81	90	91	87	90	94	93	92	90	92	89	86	84	87	94	93	95	89	87	80	81	88	89	77	84	....	86.3
	Minimum	60	55	60	54	59	62	64	67	69	63	62	66	70	68	65	68	64	62	65	67	70	70	65	62	62	64	66	69	68	66	....	64.4
Camden §§	Maximum	83	81	80	77	78	88	89	95	88	89	93	91	94	94	94	73	92	90	93	101	101	103	95	95	70	92	92	83	87	91	....	89.1
	Minimum	63	57	55	56	58	59	60	63	67	60	60	62	70	69	67	68	63	63	65	65	70	71	67	62	63	63	67	72	70	69	....	64.1
Clemson College	Maximum	65	77	78	78	75	76	81	85	83	83	87	86	90	87	83	83	84	83	84	....	90	92	86	85	81	82	....	86	78	81	....	b 82.5
	Minimum	58	58	61	63	63	65	61	60	60	60	70	69	58	67	67	68	70	69	65	....	65	71	67	56	63	63	....	64	64	70	....	b 64.1
Columbia	Maximum	81	78	77	79	76	83	90	93	87	89	91	90	91	92	92	86	88	85	89	95	95	97	88	87	72	80	90	83	82	85	....	86.4
	Minimum	58	56	63	56	61	58	65	71	67	65	65	69	69	72	70	69	67	67	66	71	73	71	69	64	63	65	64	68	70	69	....	66.0
Greenville §§	Maximum	64	80	81	80	74	81	85	89	87	88	91	92	92	91	88	85	86	89	91	92	92	94	90	86	82	89	87	82	78	80	....	85.5
	Minimum	56	57	57	58	59	57	60	65	58	56	58	64	66	69	66	67	63	61	66	67	70	67	66	51	60	61	62	67	67	66	....	62.2
Greenwood §§	Maximum	68	78	80	79	75	81	87	89	86	87	93	90	88	90	90	83	83	86	88	94	94	94	89	86	70	83	89	81	79	86	....	84.9
	Minimum	59	55	56	57	60	58	64	68	61	59	65	64	67	70	69	65	63	64	66	70	72	71	64	60	61	61	63	70	68	67	....	63.9
Heath Spring	Maximum	68	72	71	73	74	81	85	89	86	85	91	89	91	84	88	85	86	85	88	91	95	97	87	84	71	78	87	84	82	85	....	83.7
	Minimum	58	54	59	54	55	55	61	70	64	58	61	68	66	71	66	69	64	64	62	68	70	70	62	57	59	60	62	62	67	65	....	62.7
Landrum	Maximum	61	70	72	78	70	81	86	87	87	88	92	92	94	92	87	82	83	85	86	87	86	92	85	85	78	86	91	79	76	82	....	83.3
	Minimum	54	54	59	57	60	55	63	59	61	66	56	63	63	65	65	60	59	59	64	64	67	67	61	....	60	60	58	65	65	64	....	a 61.
Liberty	Maximum	64	81	83	80	73	79	91	89	87	88	94	93	93	92	89	88	90	91	92	93	93	96	89	89	82	91	93	80	81	88	....	87.1
	Minimum	56	57	60	60	63	61	62	66	59	56	59	68	66	70	68	68	64	64	69	70	71	70	66	68	65	60	65	68	67	68	....	64.5
Little Mountain	Maximum	69	76	77	78	80	83	88	91	86	87	93	89	92	90	91	93	89	87	87	96	97	97	90	86	75	82	90	83	79	86	....	86.2
	Minimum	60	55	63	56	57	65	65	66	60	61	66	67	70	71	70	68	65	65	66	72	72	72	67	62	63	64	65	68	69	67	....	65.2
Meriwether	Maximum	83	84	87	83	80	87	94	93	90	90	92	98	97	96	95	95	93	91	93	98	100	98	92	92	78	86	90	86	83	87	....	90.4
	Minimum	63	57	63	61	61	60	64	67	64	64	60	62	70	62	62	62	62	62	65	71	71	70	76	66	64	66	63	70	67	66	....	64.7
Monetta	Maximum	78	78	80	80	78	82	92	92	87	90	94	93	92	93	93	87	86	83	88	96	95	94	90	86	82	80	89	84	77	84	....	86.
	Minimum	61	56	63	57	61	59	63	70	65	65	64	70	68	69	67	69	65	64	65	70	71	71	67	63	62	65	64	70	69	67	....	65.
Newberry	Maximum	69	80	78	80	79	88	92	95	89	90	96	93	94	93	94	87	88	89	92	100	94	99	91	89	80	84	90	81	79	89	....	88.1
	Minimum	60	55	62	57	62	57	63	70	64	60	64	67	69	71	68	69	64	64	65	69	71	72	63	61	59	59	63	69	69	66	....	64.
Saluda	Maximum	75	80	82	80	78	84	91	94	....	90	95	94	94	95	95	82	88	88	90	97	95	97	90	89	74	82	91	84	78	87	....	a 87.
	Minimum	61	55	61	57	60	55	61	64	60	55	59	68	68	70	68	65	62	65	64	67	69	70	63	56	63	65	60	70	68	64	....	63.
Santuck	Maximum	66	79	76	78	75	84	92	94	88	89	95	91	93	95	93	89	90	90	90	98	95	99	92	90	77	86	92	84	82	89	....	87.
	Minimum	59	54	60	56	61	56	63	58	63	58	62	67	68	70	66	67	63	62	64	67	70	69	64	57	60	61	62	68	68	66	....	63.
Spartanburg §§	Maximum	63	78	77	79	74	83	89	92	86	87	94	93	94	94	91	87	89	87	89	90	89	93	86	86	78	88	92	83	83	86	....	85.
	Minimum	56	54	56	58	58	57	64	67	60	57	59	66	66	68	65	67	62	59	66	67	70	68	61	55	60	60	61	68	67	67	....	62.
Trenton	Maximum	80	77	84	81	78	83	86	90	87	91	93	93	94	93	93	88	88	86	89	99	95	93	88	88	75	83	89	84	79	82	....	87.
	Minimum	61	50	61	57	62	59	59	59	65	62	64	66	68	68	68	60	60	65	65	70	72	71	69	63	62	65	65	70	67	70	....	64.
Winnsboro	Maximum	67	73	70	70	74	80	86	91	88	87	91	87	91	90	90	84	86	89	88	92	90	93	87	83	74	80	85	80	80	85	....	83.
	Minimum	54	60	62	52	58	58	54	67	60	57	67	67	68	67	68	67	64	64	65	70	70	70	65	59	59	61	67	63	67	66	....	63.
Winthrop College	Maximum	62	84	76	80	76	89	92	99	92	88	97	94	93	97	93	85	83	88	97	99	93	95	93	94	91	93	85	86	85	92	....	89.
	Minimum	56	53	60	55	56	57	61	68	62	58	64	68	69	71	67	60	63	63	64	69	71	71	65	56	60	61	63	70	67	66	....	63.

Reference letters (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
No Rain
No Rain
No Rain
No Rain
No Rain

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CLIMATOLOGICAL DATA

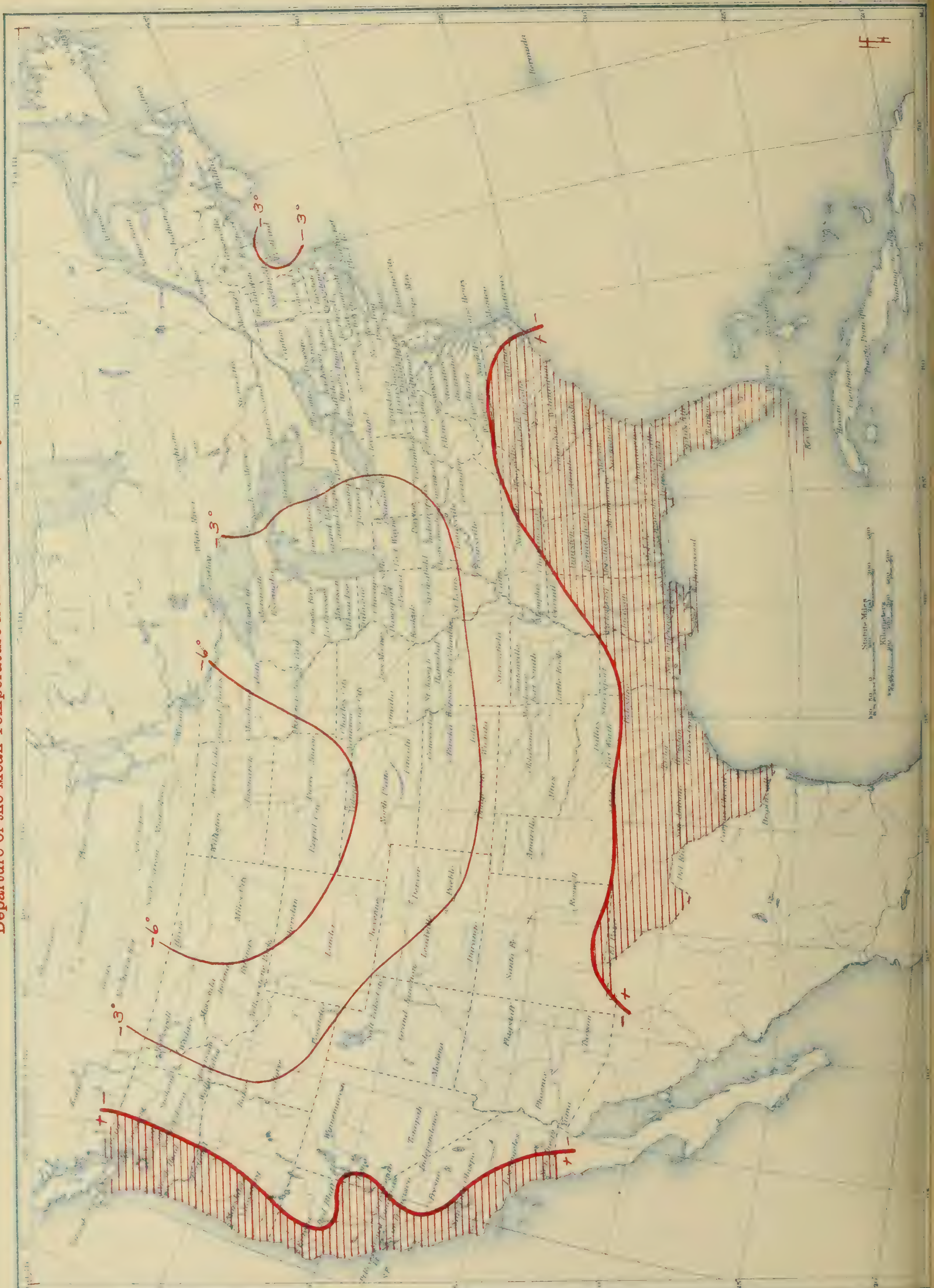
SOUTH CAROLINA SECTION

JULY, 1915

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
August 30, 1915.

Departure of the Mean Temperature from the Normal, July, 1915.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

VOL. XVIII. COLUMBIA, S. C., JULY, 1915. No. 7.

GENERAL SUMMARY.

The month just closed was the driest July of record by 0.33 inch. Rainfall was above normal only over the extreme eastern and extreme southern coast districts. Periods of abnormally cool nights were offset by periods of excessively hot days, and the mean temperature of the month was somewhat above the normal. Corn, gardens, tobacco, truck and pastures showed much improvement under plentiful rains during the first part of the month, but the ground was too wet on the coastal plain and portions of the Piedmont to check the growth of grass. The nights were too cool for the satisfactory development of cotton, which was fruiting on short plants and was shedding and spotted in localities. Toward the middle of the month vegetation began to deteriorate under excessive heat and relatively dry weather, and corn, truck and pastures were needing rain, particularly over the interior and western counties. The general crop situation was materially improved by the rains between the 19th and 23d; but succeeding dry weather, with excessive heat and nearly a maximum of sunshine, caused further deterioration of vegetation. Corn, gardens and pastures were badly parched, and tobacco was ripening prematurely in many sections. The month closed with a good stand of forage peas, good thrashing results for wheat and oats and fair to good yields of tobacco. As a whole, cotton is not as large or strong in plant as in former seasons, due to frequent cool nights and irregular rainfall seasonally when needed.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 29.99 inches. The highest pressure in the region covered by reports was 30.22 inches at Asheville, N. C., on the 25th, and in the Section proper, 30.20 inches at Columbia on the same date; lowest, 29.73 inches at Asheville, N. C., on the 1st, and in the Section proper, 29.77 inches at Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 45 stations, was 80.9°, or 0.9° above the established normal. The highest temperature was 106° at Meriweather, Edgefield Co., on the 31st. The warmest periods of the month were generally between the 13th and 19th and on the 30th and 31st. The lowest temperature was 55 degrees at Liberty, Pickens Co., on the 23d. and at Mountain Rest, Oconee Co., on the 22d. The coolest period of the month was generally between the 23d and 27th. except that minimum temperatures were recorded at a few stations of the western portion on the 1st and 2d and on the 6th and 7th.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 81 per cent; 8 p.m., 71 per cent; for the month, 76 per cent. The highest average percentages occurred over the extreme southern and extreme northeastern coast districts, and the lowest, over the north-central and west-central counties.

PRECIPITATION.

The average for the Section, 57 stations reporting, was 3.26 inches, or 2.25 inches below the established normal. Plentiful rains fell throughout the Section during the first week, followed by intermittent showers until the 19th, when copious rains were again numerous; after the 23d the weather was dry and hot. The distribution of precipitation was irregular in amount. The greatest measurements were recorded in the extreme eastern and extreme southern counties, where the amounts ranged from 5 to over 7 inches. Over the middle coast and practically the entire middle and western portions the amounts were less than 4 inches, with less than 3 inches in an extensive area. In many of the middle-western counties the rainfall was less than 2 inches. The greatest local monthly amount was 7.42 inches at Beaufort, Beaufort Co.; least, 1.07 inches at Mayesville (near). The greatest 24-hour amount locally was 3.20 inches at Newberry, Newberry Co., on the 15th. The average number of rainy days was 27 per cent below the normal.

WIND.

The prevailing winds were from the southwest. The average hourly velocity, determined from 7 anemometer records, was 7.5 miles. In the Section proper the averages were 6.4 miles per hour at Columbia and 9.3 miles per hour at Charleston. The highest velocity for any 5-minute period in the region covered by reports was 62 miles per hour from the northwest at Charlotte, N. C., on the 12th, and in the Section proper, 38 miles per hour from the west at Charleston on the 9th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 301.0 hours, or 69 per cent of the possible amount. The average number of clear days was 18; partly cloudy, 10, and cloudy, 3, as against normals of 12, 12 and 7 days, respectively.

RIVER CONDITIONS.

The rivers of the Section were uniformly low throughout the month. During the last decade the stages ranged generally but a few feet above zero of the gages.

MISCELLANEOUS PHENOMENA.

Fogs, dense (*date*).—Charleston, 27.

Hail (*date*).—Batesburg, 21.

Halo, Lunar (*date*).—Charleston, 23.

Thunderstorms (*dates*).—Bowman, 3, 4, 5, 6, 13, 20, 22; Centenary, 1, 4, 9, 12, 13, 19, 21; Charleston, 1, 3, 4, 5, 8, 9, 10, 13, 16, 19; Cheraw, 1, 4, 8, 13, 19, 20, 30; Columbia, 3, 4, 5, 8, 12, 13, 15, 16, 18, 19, 20, 31; Greenville, 1, 8, 10, 12, 22, 31; Landrum, 1, 15, 20, 22; Liberty, 1, 3, 4 8, 10, 13, 16, 27, 31; Newberry, 2, 5, 15, 20; Oaks, 9; Santuck, 13, 15, 20; Summerville, 1, 3, 4, 5, 6, 9, 10, 14, 15, 16, 19, 21.

MISCELLANEOUS DATA FOR JUNE, 1915.

Stations.	Barometer—sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Sunshine—total hours.	Relative humidity per cent.	Wind.	
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.			Average hourly velocity—miles.	Prevailing direction.
Asheville, N. C....	29.99	72.0	92	52	2.78	1.36	287.8	79	5.2	nw.
Augusta, Ga.......	29.99	82.0	98	65	1.63	1.04	289.0	70	5.6	ne.
Charleston S. C...	29.99	82.2	97	70	2.98	0.81	304.1	79	9.3.	s.
Charlotte, N. C ...	29.98	79.4	100	62	3.08	1.00	295.8	70	8.7	sw.
Columbia, S. C....	29.98	81.3	100	64	2.31	0.82	291.3	70	6.4	sw.
Savannah, Ga..	29.99	82.0	98	67	7.40	2.11	323.6	82	9.8	sw.
Wilmington, N. C	29.98	79.5	95	65	8.12	2.44	312.1	82	7.4	sw.
Means and extremes	29.99	79.8	100	52	4.04	2.44	301.0	76	7.5	sw.

Climatological Data for July, 1915.

Stations	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipitation (0.01 in. or more)	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	26	82.8	+1.5	104	19	62	26	31	4.54	−0.92	1.25	0	11	14	11	6	e.	H. G. Harris.
Beaufort	Beaufort	21	28	80.5	0.8	94	† 13	67	25	24	7.42	+1.34	2.45	0	9	21	10	0	sw.	Miss Lillian H. Rice.
Blackville	Barnwell	296	26	83.7	+2.0	105	31	62	26	37	2.14	−3.15	0.96	0	4	20	5	6	...	Mrs. D. B. Sanders.
Bowman	Orangeburg	166	12	81.8	+1.4	103	19	56	26	29	1.88	−3.66	0.63	0	9	24	7	0	sw.	B. O. Evans.
Centenary	Marion	43	...	81.8	...	102	† 17	60	26	35	2.62	...	0.85	0	11	16	13	2	sw.	D. L. Carmichael.
Charleston	Charleston	48	11	82.2	+0.9	97	13	70	27	21	2.98	−4.28	0.81	0	10	11	14	6	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	25	80.5	+0.6	99	30	59	26	34	4.75	−1.03	2.26	0	9	...	...	...	...	J. H. Powe.
Conway	Horry	25	29	81.0	+1.0	98	17	65	25	27	6.31	−0.18	1.74	0	9	...	...	...	...	Paul Quattlebaum.
Darlington	Darlington	175	19	[b] 81.1	+1.2	102	† 30	58	26	39	2.66	−2.18	0.53	0	8	13	11	7	...	D. C. McCall.
Dillon	Dillon	100	11	[d] 80.8	+0.3	[d] 101	† 18	[d] 60	† 3	[d] 35	2.96	−2.27	1.13	0	6	...	...	...	...	A. E. Rowell.
Edisto ‡‡	Bamberg	143	27	...	...	...	...	...	...	...	1.87	−3.48	0.50	0	9	...	...	...	...	Nathan Jenkins.
Effingham	Florence	106	22	...	...	...	...	...	...	...	4.15	−0.34	1.95	0	5	...	...	...	...	H. B. McCall.
Ferguson	Orangeburg	63	29	[l] 81.5	+2.1	100	18	[l] 69	† 24	[l] 27	3.47	−2.35	1.65	0	7	...	...	...	...	Joseph P. Simons.
Florence 1	Florence	136	26	82.1	+0.7	103	31	62	† 25	35	2.76	−2.66	0.76	0	8	16	12	3	sw.	H. K. Gilbert.
Florence 2	Florence	136	...	...	...	...	...	...	...	...	2.87	−2.55	0.68	0	8	13	12	6	s.	PeeDeeExperimentStation.
Georgetown	Georgetown	12	20	83.4	+2.8	99	17	68	24	26	5.20	−1.58	2.00	0	4	13	18	0	e.	A. P. Hazard.
Kingstree	Williamsburg	51	26	82.0	+1.4	101	19	63	26	27	6.14	+0.44	2.59	0	8	24	5	2	nw.	A. O. Matthews.
Mayesville (near)	Sumter	70	...	[j] 82.0	...	[a] 104	19	[j] 58	26	[j] 40	1.07	...	0.43	0	10	9	11	11	e.	Lewis E. Warren.
Oaks	Georgetown	...	...	[a] 80.1	...	[a] 98	19	[a] 64	26	[a] 27	5.52	...	1.35	0	14	15	16	0	w.	O. M. Mitchell.
Pinopolis **	Berkeley	54	21	81.1	+2.7	94	† 12	72	† 24	...	4.17	−1.92	1.78	0	9	22	0	9	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	5	...	...	...	...	...	...	...	1.86	...	0.74	0	10	...	...	...	...	William B. Wolfe.
St. George	Dorchester	109	26	82.6	+1.7	102	† 15	64	27	33	4.18	−1.83	1.20	0	12	...	...	...	...	R. S. Weeks.
St. Matthews	Calhoun	269	26	82.4	+2.4	101	18	62	† 25	31	1.93	−3.63	0.45	0	9	7	21	3	nw.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	19	...	...	...	...	...	...	...	6.64	+0.70	1.81	0	13	...	...	...	...	W. G. Walker.
Society Hill	Darlington	192	23	78.4	−1.1	102	18	58	9	39	3.13	−2.81	1.21	0	8	19	11	1	w.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	17	81.0	+1.1	97	18	64	25	26	4.14	−1.88	1.03	0	10	8	22	1	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	12	[a] 81.8	+1.7	[a] 101	18	[a] 60	27	[a] 35	5.00	−2.34	2.32	0	10	17	10	4	...	J. A. Westerberg.
Yemassee	Hampton	24	19	80.2	−0.8	99	† 18	57	26	35	4.19	−2.55	1.47	0	12	19	6	6	ne.	J. G. Hutson.
Division means and extremes				81.5	+1.2	105	31	56	26	40	3.81	−1.88	2.59	0	9	17	11	3	sw.	
Western Portion.																				
Aiken	Aiken	527	20	80.6	−0.6	102	31	64	† 23	30	2.45	−2.09	1.30	0	4	20	9	2	se.	W. M. Brown.
Anderson	Anderson	764	13	80.4	+1.3	104	31	63	6	30	2.66	−2.23	0.74	0	6	26	4	1	w.	H. H. Russell.
Batesburg	Lexington	656	26	80.0	+0.3	101	31	61	25	33	2.08	−3.35	0.55	0	8	26	4	1	n.	E. J. Hite.
Blairs	Fairfield	293	11	...	...	...	...	...	...	...	1.79	−3.18	0.42	0	12	...	...	...	...	J. N. Owens.
Calhoun Falls	Abbeville	508	22	...	...	...	...	...	...	...	3.93	−0.81	1.48	0	9	...	...	...	...	L. M. Parker.
Camden	Kershaw	222	48	80.6	...	104	31	58	1	36	2.81	−3.27	0.87	0	10	24	5	2	ne.	W. C. Brown.
Catawba	York	562	9	...	...	...	...	...	...	...	4.05	−1.65	1.26	0	9	...	...	...	...	James C. Faris.
Chappells	Newberry	402	11	...	...	...	...	...	...	...	1.50	−3.08	0.58	0	7	...	...	...	...	J. J. Murran.
Clemson College	Oconee	850	23	[g] 78.4	0.0	100	31	62	23	27	2.67	−2.50	1.23	0	5	26	2	3	w.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	28	81.3	+0.2	100	18	64	25	27	2.31	−3.75	0.82	0	8	17	12	2	sw.	U. S. Weather Bureau.
Edgefield	Edgefield	...	1	...	...	...	...	...	...	...	1.33	...	0.55	0	5	...	...	...	...	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	2	...	...	...	...	...	...	...	4.47	...	1.61	0	12	...	...	...	...	Harry A. Parshall.
Greenville	Greenville	989	22	78.8	+2.6	100	31	60	† 7	31	3.06	−2.57	1.46	0	11	13	14	4	sw.	Spartan Goodlette.
Greenwood	Greenwood	671	26	79.7	−0.3	102	31	61	25	30	3.64	−1.45	0.79	0	10	23	0	8	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	13	78.8	−1.6	99	† 16	59	25	36	2.18	−2.07	0.78	0	3	16	10	5	w.	J. Marvin Bowers.
Landrum	Spartanburg	1063	...	77.6	...	100	31	59	† 23	40	3.47	...	1.16	0	11	19	12	0	...	R. Hartwell Wilds, D.D.S.
Liberty	Pickens	900	20	79.8	+0.7	102	31	55	23	12	3.97	−1.82	1.80	0	7	16	12	3	sw.	John T. Boggs.
Little Mountain	Newberry	711	21	82.7	+2.4	101	† 17	62	3	28	1.15	−3.59	0.88	0	2	23	7	1	sw.	J. M. Sease, M. D.
Meriwether	Edgefield	...	11	82.0	+1.8	106	31	60	25	34	1.98	−2.90	1.47	0	3	19	7	5	...	William S. Middleton.
Monetta	Saluda	400	8	[l] 80.6	...	102	31	[d] 64	† 25	[d] 33	3.94	...	1.59	0	11	9	21	1	sw.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	...	[i] 75.8	...	95	31	[i] 55	22	[i] 30	3.18	...	0.85	0	9	24	4	3	...	J. H. Brown.
Newberry	Newberry	502	27	81.4	+0.9	102	† 15	62	† 25	36	4.31	−0.44	3.20	0	8	6	22	3	sw.	Warren G. Peterson.
Pelzer	Anderson	850	11	...	...	...	...	...	...	...	4.28	−1.02	1.40	0	9	...	...	...	...	Joshua Y. Jones.
Saluda	Saluda	536	12	[b] 81.6	+1.1	105	31	[b] 62	† 7	[b] 35	1.41	−2.80	0.49	0	4	26	4	1	sw.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	20	[a] 81.6	+2.0	[a] 104	31	[a] 61	26	[a] 38	2.47	−2.48	1.12	0	8	17	12	2	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	23	80.0	+0.6	103	31	62	† 7	32	1.98	−2.43	0.80	0	8	...	...	...	...	F. P. Robinson.
Trenton	Edgefield	620	21	80.7	+0.2	104	31	62	5	35	1.32	−4.34	0.99	0	3	13	17	1	s.	Mrs S. E. Long.
Winnsboro	Fairfield	545	25	79.4	−0.1	99	17	61	23	33	2.58	−1.34	1.30	0	5	22	9	0	se.	J. W. Seigler.
Winthrop College	York	690	14	80.2	+0.3	102	31	60	25	35	2.42	−2.66	1.01	0	6	10	21	0	sw.	W. P. Goodman.
Division means and extremes			...	80.3	+0.8	106	31	55	† 22	42	2.74	−2.42	3.20	0	7	19	10	2	sw.	
State means and extremes			...	80.9	+0.9	106	31	55	† 22	42	3.26	−2.25	3.20	0	8	18	10	3	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (a, b, c), appearing in the table indicate number of days missing; for example, b represents two days missing, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb: means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.
T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for July, 1915.

Stations.	Watershed.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
llendale	Savannah	.25			.25	.35	.33			.10	.10	.30						.04				1.25	1.01	.06									4.54
eaufort	Coast	T.	.85	.95	.57	.60				.51	2.45										.60	.15	.74										7.42
lackville	Edisto	.96					.58		T.						T.		.50	.10			T.	T.											2.14
owman	do	T.	T.	.45	.12	.08	.06				.12			.06			.63				.24		.12										1.88
entenary	Pee Dee	.24		.01	.85	.05	.02		T.	.11			.05	.31						.16	T.	.56	.23										2.62
harleston ***	Coast	T.		.22	.15	.80	T	.08	T.	.59	.18						.12				.66	.15	.03							T.			2.98
heraw	Pee Dee		.29		.05	.57	.04			.06				T.	2.26						.63	.73										.12	4.75
onway	Waccamaw	.34	.74		.67	.30	T.	1.17	T.	.15				T.	.98							1.74	.22	T.									6.31
arlington	Pee Dee		.02		.12	.42	.34			.52				.53	.50							.21											2.66
illon	Little Pee Dee	T.		1.13	.36									.65						.69	.08	T.										.05	2.96
disto	Edisto	.50	.05		.36	.14	.09	.12			.07											.42		.12									1.87
fingham	Lynches				.70	.45	.75	T.							1.95							.30	T.										4.15
erguson	Santee				.40	.85	1.05							.05			.07				.30	.75											3.47
lorence 1	Pee Dee		T.		.32	.46	.24	.06		.07				.45	.76							.40											2.76
lorence 2	do	.13		T.	.18	.63	.24		.03				.63	.35							.68												2.87
eorgetown	Coast			T.	2.00	1.15	.85	T.							1.20		T.						T.	T.									5.20
ingstree	Black		.20		.40	.35	.60								.07						1.68	.25	2.59										6.14
ayesville (near)	do	.01	.02	.02	.43	.07	.12	T.					T.	.20						.15	.04	.01											1.07
aks	do	.09		.33	.40	.05	.16		.02				.56	.88			.01			.26	1.04	.36	1.35	.01									5.52
inopolis	Cooper			.17	1.78	.14			.32	.18					.15	.90	.40				.13												4.17
imini	Santee		.12		.15	.35	.12			.10				.74	.02							.18	.08										1.86
. George	Edisto	.45			1.20	.64	.10	.03		.05	.49	.01									.60	.46	.07	.08									4.18
. Matthews	Santee	.07			.36		.36							.45	.08					.14		.08		.04								.35	1.93
miths Mills	Pee Dee	.45	.54		.50	.63	.12	.73		.05				.95	.28						.05	.53	1.68	.13									6.64
ociety Hill ||||	do				1.21	.15			.20				.20	.70						.10	.35										.22		3.13
ummerville	Ashley		T.	.52	1.01	.11	.22	.50		.22	T.				.05	.35	T.					1.03	.13										4.14
alterboro	Ashepoo			.21	.39	.40	.85	.01		2.32	.09						T.			.07	.04	.61											5.00
emassee	Combahee	.31	T.		.20	.56	.23	.02			.82	.65						.47			2.26	.42	.16	.09									4.19
Western Portion.																																	
iken	Edisto	.60		.05		.50															1.30												2.45
nderson	Savannah	.10		.15	.72	.74			.23												.72												2.66
atesburg	Edisto	T.			.45	.29	.21	.34		.18								.31				.08	.22									T.	2.08
lairs	Broad		.04		.27	.34	.08					.05		.04	.08		.29				.25	.06	.27	.02									1.79
alhoun Falls ||||	Savannah	.02			.39	1.15	.33			1.49		.08			.10						.07	.30											3.93
amden ||||	Wateree				.03	.12	.12			.08				.87				.57			.23	.45	.04	.30									2.81
atawba	Catawba		.30			.22	.23								.17		1.26				.27	.47	.65									.48	4.05
happells	Saluda		.58			.30	.15					.07								.17	.16		.07										1.50
lemson College	Savannah			.20		1.23			.21		.01																			.02			2.67
olumbia ***	Congaree			.16	T.	.28	.27		T.				.01			.52				.81	.18	T.	.08										2.31
dgefield	Savannah	.10			.20	.18	.30															.55											1.33
aston Shoals	Broad	.07	.51		.05	1.39	.22			.07		T.		.04	T.		.52	.35			.28	T.	.06	.88									4.47
reenville	Saluda	.04	.04		.21	1.46	.16			.22	.03	.27		.08										.28					.27				3.06
reenwood	do	.79	.34		.06	.60	.43					.40				.56				.17	.17								.12				3.64
eath Spring	Wateree					.70															.70		.78										2.18
an iran	Broad	.12	.07	.02	.46	1.16			.14		.87					.02		.08			T.		.49							.04			3.47
iberty	Savannah	.20		.25	.50	1.80			.40	T.	.02			.80			T.															T.	3.97
ittle Mountain	Saluda					.27															T.		.88										1.15
eriwether	Savannah	.25		T.		.26	T.				T.										1.17												1.98
onetta	Edisto	.02		.09	T.	.42	.52					.04			.71		.26				.25	.01	1.59										3.94
ountain Rest	Savannah	.40		.01	.25	.85			.25						T.	.43	.23		T.	.30	.46						T.						3.18
ewberry	Saluda		.08		.02	.54					.01					3.20				.06	.15		.25										4.31
elzer	do	.04	.04		.28	1.20	.20			.10		1.40		.76								.26											4.28
aluda	do					.17			.40														.49									.35	1.41
antuck	Broad				.47	.38			T.		.05			.14		.16				T.		1.12	.10		.05								2.47
partanburg ||||	do	.05	.20	T.	.15	.80	.12				T.	.47		.05										.14									1.98
renton	Edisto	.13				T.	.20		T.			T.			T.						.99			T.									1.32
innsboro	Broad				.50	.20							T			.12						1.30		.46									2.58
inthrop College	Catawba	.25				.35									1.01						.46	.15							.20				2.42

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR JULY.

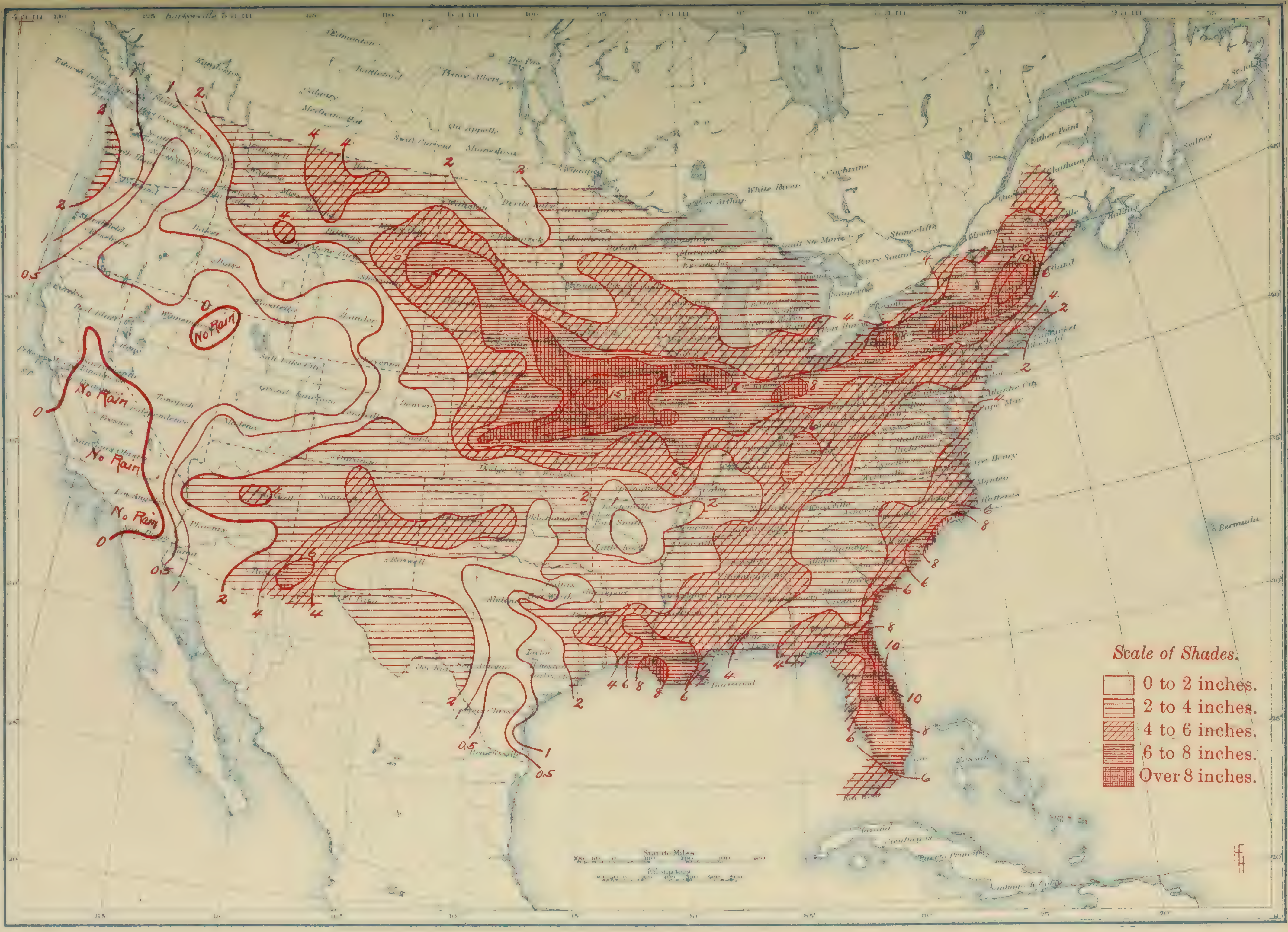
Year.	Temperature.			Precipitation.		Average number of days—			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	82.0	110	60	7.49	14				
1888	78.9	108	53	3.68	8				SW.
1889	79.5	102	51	7.13	13				SW.
1890	78.4	104	52	6.88	12				SW.
1891	77.9	93	56	5.95					SW.
1892	78.9	102	51	7.44					SW.
1893	82.0	104	60	3.87	9	13	14	1	SW.
1894	77.7	100	55	8.24	16	8	12	11	SW.
1895	79.5	102	54	4.17	8	10	15	6	SW.
1896	80.7	105	51	8.17	13	10	13	8	SW.
1897	80.2	107	54	5.01	11	13	12	6	SW.
1898	80.0	102	54	7.81	14	10	10	11	SW.
1899	80.0	105	47	4.93	9	12	11	8	SW.
1900	81.2	104	55	4.08	9	11	11	6	SW.
1901	81.4	102	62	4.52	10	12	12	7	SW.
1902	82.8	107	58	3.79	9	15	11	5	SW.
1903	80.1	103	45	3.59	8	18	9	1	SW
1904	79.4	105	50	5.96	12	13	12	6	SW.
1905	80.4	101	60	6.16	12	13	10	8	SW.
1906	78.4	100	56	8.40	16	5	17	9	SW.
1907	81.4	106	56	5.06	11	13	13	5	SW.
1908	79.8	100	60	5.43	12	12	13	6	S.
1909	78.6	104	55	4.92	10	13	12	6	SW
1910	79.4	102	58	5.83	13	9	15	7	SW
1911	79.8	102	53	3.79	10	12	13	6	SW
1912	79.6	102	58	5.22	11	11	10	7	SW.
1913	81.9	109	56	4.78	9	15	9	7	SW.
1914	80.0	107	53	5.56	9	14	13	1	SW.
1915	80.9	106	55	3.26	8	18	10	3	SW.
Period	80.0	110	45	5.51	11	12	12	7	SW.

Daily Temperatures for July, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	92	89	91	93	92	89	93	96	93	94	95	99	99	99	100	98	100	101	104	100	91	88	87	89	90	93	94	95	98	97	98	94.7
	Minimum	70	69	69	69	68	71	70	74	74	71	70	71	71	71	73	75	75	76	76	74	70	71	70	67	64	62	66	70	70	73	73	70.8
Beaufort	Maximum	87	85	85	86	89	89	90	91	90	83	83	93	94	92	90	92	93	91	92	91	87	87	84	84	85	87	86	88	88	89	88	88.5
	Minimum	71	72	72	71	71	71	71	72	70	69	69	77	77	75	71	72	72	79	76	74	71	73	72	69	67	70	72	73	77	75	75	72.5
Blackville §§	Maximum	90	89	89	91	89	89	93	94	95	95	96	100	100	100	101	99	101	101	103	100	95	93	93	94	96	99	101	101	101	103	105	96.6
	Minimum	69	68	69	69	74	70	68	71	73	72	74	73	74	73	73	72	74	73	75	73	72	68	67	65	69	62	65	70	73	73	73	70.8
Bowman	Maximum	90	90	90	90	91	91	94	93	94	94	95	97	100	98	99	100	100	101	103	97	99	88	87	88	92	94	95	98	99	102	102	94.9
	Minimum	64	65	64	65	66	67	69	70	71	72	70	75	72	73	72	72	72	74	74	72	70	69	68	65	59	56	64	65	70	71	72	68.6
Centenary	Maximum	92	90	92	83	89	83	95	94	86	88	95	100	97	95	98	98	102	101	102	96	84	85	85	87	90	93	95	96	97	100	99	93.1
	Minimum	70	71	69	71	73	72	71	74	74	68	68	74	70	71	71	72	75	72	75	72	71	70	69	65	64	60	67	69	73	72	71	70.5
Charleston	Maximum	[illegible]	88	90	88	91	86	88	92	88	82	88	96	97	91	90	93	95	92	94	93	88	80	83	87	89	89	84	88	88	89	88	89.2
	Minimum	73	75	73	74	73	74	76	78	74	75	73	78	79	77	76	75	80	80	80	72	74	75	72	70	70	71	70	76	79	78	77	75.1
Cheraw §§	Maximum	91	87	86	87	81	86	90	93	87	87	93	98	95	93	95	95	98	97	95	93	84	82	86	87	89	93	97	94	96	99	98	91.4
	Minimum	70	70	69	70	71	69	70	71	72	69	68	74	73	69	72	72	73	71	75	73	69	68	66	62	60	59	63	69	73	74	73	69.6
Conway §§	Maximum	90	87	89	82	91	86	86	92	87	88	91	97	94	93	96	94	98	97	97	94	88	83	84	85	88	90	92	91	93	95	95	90.7
	Minimum	71	68	69	71	74	73	70	76	74	68	69	74	72	72	73	75	74	75	78	70	71	71	69	66	65	66	67	69	74	73	75	71.4
Darlington §§	Maximum	91	89	89	88	84	....	90	93	87	87	92	99	93	94	95	96	99	99	98	95	86	87	89	91	93	97	99	98	98	102	102	a 93.3
	Minimum	70	68	69	70	73	69	....	71	72	69	67	74	70	67	71	71	73	71	....	74	70	66	66	62	60	58	62	66	72	73	73	b 68.9
Dillon	Maximum	93	89	91	85	85	85	....	....	....	85	92	98	96	93	96	96	99	101	96	84	84	....	86	86	90	92	96	96	97	100	101	d 92.3
	Minimum	69	72	60	70	72	70	....	....	....	68	67	74	71	71	70	72	74	72	72	71	69	....	68	64	60	61	66	69	73	74	74	d 69.4
Ferguson §§	Maximum	90	88	96	89	89	86	91	92	88	88	92	96	97	95	95	95	100	99	94	94	88	87	79	86	79	84	96	95	97	97	99	91.5
	Minimum	72	73	71	71	73	72	71	71	73	72	72	75	....	....	....	....	....	....	....	....	....	....	....	69	69	69	69	70	73	....	73	l 71.5
Florence 1 §§	Maximum	88	90	86	85	83	81	92	95	88	90	96	100	97	96	99	100	102	106	100	100	83	86	90	90	92	97	100	100	100	102	103	93.9
	Minimum	71	70	69	70	73	70	70	71	74	68	68	69	70	70	71	74	75	73	76	74	72	66	68	63	62	62	65	69	74	74	74	70.3
Georgetown	Maximum	90	92	92	88	92	92	91	93	87	88	92	97	98	97	96	95	99	98	98	96	92	83	86	90	92	93	93	92	94	97	97	92.9
	Minimum	72	72	72	72	78	78	76	73	73	73	71	74	74	72	78	78	77	79	77	72	74	72	69	68	80	70	72	69	76	75	73	73.8
Kingstree §§	Maximum	91	90	91	89	90	89	93	95	90	90	93	99	98	96	99	98	99	99	101	95	88	85	85	86	89	90	93	94	94	96	97	93.0
	Minimum	70	70	69	70	73	72	71	73	74	71	69	73	72	72	73	74	75	75	74	73	71	69	68	65	64	63	67	71	73	72	72	70.9
Mayesville (near)	Maximum	90	89	89	89	88	84	92	94	88	88	94	100	98	95	99	98	101	100	104	98	96	96	96	....	92	94	98	97	99	101	102	a 95.0
	Minimum	70	61	68	69	74	70	70	71	71	69	72	73	71	70	71	....	....	....	....	....	....	....	....	....	....	58	61	67	70	70	71	j 68.9
Oaks	Maximum	89	86	89	90	....	86	89	91	87	86	91	91	93	90	95	94	96	95	98	92	86	83	82	84	85	89	91	93	93	94	95	a 90.1
	Minimum	71	69	68	71	....	72	70	75	72	70	67	69	70	71	71	72	71	74	73	73	71	70	69	65	65	64	67	68	72	71	70	a 70.1
St. George §§	Maximum	91	89	93	90	90	89	95	95	94	89	91	99	101	99	102	99	101	102	98	96	88	86	86	88	91	94	97	99	99	100	100	94.6
	Minimum	70	69	68	69	73	70	71	73	72	71	70	74	72	74	72	73	73	76	74	72	71	70	68	66	65	70	64	70	70	71	71	70.7
St. Matthews §§	Maximum	92	89	87	90	88	83	93	96	95	87	96	98	97	97	98	98	98	101	99	96	89	86	87	90	87	90	96	98	98	99	100	93.5
	Minimum	70	70	69	69	74	72	69	74	74	72	71	75	73	73	73	74	75	73	76	75	73	69	68	64	62	62	65	73	74	74	75	71.3
Society Hill §§	Maximum	91	91	92	91	90	92	95	87	87	96	101	98	95	97	97	101	98	102	100	87	87	88	91	94	96	98	100	101	102	102	97	91.7
	Minimum	60	60	62	63	62	61	61	63	58	59	65	63	60	71	71	73	71	74	72	69	64	65	61	60	59	60	61	72	73	72	70	65.0
Summerville	Maximum	88	87	90	86	90	87	91	91	90	84	90	93	95	93	94	93	96	97	97	94	89	84	84	86	88	91	92	91	91	94	95	90.7
	Minimum	70	69	69	71	73	71	71	74	74	72	71	74	74	74	72	74	75	76	74	72	71	73	70	67	64	66	66	69	73	73	71	71.4
Walterboro	Maximum	91	89	90	89	92	89	92	98	91	85	95	95	96	96	96	97	99	101	99	96	91	86	89	89	90	....	95	95	96	97	99	a 93.4
	Minimum	71	70	67	70	74	71	70	74	69	69	68	71	73	73	72	73	75	76	72	71	72	69	66	66	62	....	60	68	71	71	69	a 70.2
Yemassee §§	Maximum	92	87	89	89	92	88	93	94	93	86	91	96	96	96	96	94	97	99	99	95	91	86	86	88	90	92	92	93	93	95	96	92.4
	Minimum	67	68	66	67	72	70	68	69	72	69	66	72	72	72	69	70	71	74	74	70	71	70	68	65	59	57	58	62	66	68	68	68.1
Western Portion.																																	
Aiken	Maximum	88	87	85	87	81	82	89	92	90	91	92	95	95	97	98	98	99	90	100	93	90	86	86	88	90	93	96	96	98	100	102	92.4
	Minimum	66	65	66	67	69	69	67	70	69	70	70	71	72	70	70	70	70	73	73	70	70	66	64	65	64	66	67	70	70	72	72	68.8
Anderson	Maximum	88	88	80	80	77	83	87	89	85	87	93	95	95	96	96	99	99	101	99	96	90	84	83	87	92	97	98	99	101	103	104	92.0
	Minimum	65	65	68	68	68	63	64	70	69	69	67	73	70	71	69	71	71	73	73	70	69	66	64	64	65	69	69	71	73	74	75	68.9
Batesburg §§	Maximum	88	85	84	87	82	83	89	91	86	86	93	97	97	97	99	99	98	99	100	96	90	84	84	87	90	94	98	96	97	100	101	92.2
	Minimum	66	68	67	69	68	67	65	68	68	69	68	72	71	69	71	69	70	70	72	73	70	61	62	63	61	64	66	65	69	70	70	67.9
Camden §§	Maximum	94	91	90	94	88	92	97	92	88	92	98	102	87	88	90	92	93	96	93	94	87	77	85	87	90	94	98	96	99	102	104	92.6
	Minimum	58	68	69	69	70	71	69	70	71	69	70	72	73	71	70	69	70	70	70	70	70	70	67	64	65	59	59	65	69	72	73	68.5
Clemson College	Maximum	83	82	83	....	81	80	83	87	84	80	....	91	90	90	88	91	92	....	92	91	91	88	82	....	....	....	....	93	92	92	100	g 87.8
	Minimum	68	66	66	....	70	66	64	70	72	68	....	70	70	71	71	74	71	....	72	70	69	67	62	64	....	66	73	70	70	73	74	d 69.1
Columbia	Maximum	89	87	84	88	81	85	90	92	86	88	94	96	96	96	96	97	98	100	97	92	88	83	85	87	89	93	96	95	96	98	99	91.6
	Minimum	68	70	70	69	71	67	68	70	73	71	72	74	75	72	75	73	75	74	75	72	71	66	66	66	64	66	72	72	74	75	75	71.0
Greenville §§	Maximum	86	87	81	82	76	85	87	88	87	83	93	92	90	94	93	94	96	94	95	93	90	88	86	87	89	94	94	95	96	97	100	90.1
	Minimum	66	64	66	68	69	62	60	64	69	68	67	73	69	68	72	69	70	71	70	72	67	64	60	63	63	63	67	69	73	74	73	67.5
Greenwood §§	Maximum	86	85	82	86	73	82	87	90	87	84	90	92	93	95	96	95	97	95	96	94	90	87	84	87	91	93	96	97	96	100	102	90.6
	Minimum	66	66	68	68	69	66	64	68	69	71	67	72	71	71	72	71	73	72	73	72	69	65	64	63	61	64	68	70	72	74	75	68.8
Heath Spring	Maximum	88	84	84	85	77	82	89	82	85	85	93	98	94	98	97	99	99	95	87	80	84	77	85	83	88	95	95	95	95	93	99	89.4
	Minimum	68	68	68	65	67	67	63	68	67	67	68	73	72	68	70	69	73	71	73	71	68	65	61	61	59	63	68	78	73	74	74	68.2
Landrum	Maximum	83	85	78	84	75	82	86	88	83	81	90	94	89	94	95	95	98	95	98	95	90	84	82	85	88	93	95	96	96	97	100	89.5
	Minimum	63	62	61	66	66	60	61	65	66	66	65	69	69	67	71	68	72	70	70	69	64	61	59	59	62	61	....	74	68	60	64	a 65.7
Liberty	Maximum	85	85	80	86	78	86	88	89	86	85	94	95	92	95	91	94	96	95	97	92	91	86	97	90	92	97	97	98	95	99	102	91.4
	Minimum	68	67	68	69	68	64	62	68	71	70	70	74	70	70	72	71	70	75	72	72	58	61	55	65	66	65	67	69	75	73	73	68.3
Little Mountain	Maximum	85	83	80	85	80	83	89	90	89	85	93	97	96	98	98	99	101	100	100	98	89	83	85	87	91	95	96	96	98	100	101	94.8
	Minimum	67	65	62	68	70	68	69	70	70	70	69	75	71	72	72	74	75	75	77	73	70	63	70	75	....	66	70	71	72	73	75	a 70.6
Meriwether	Maximum	90	88	87	91	81	86	95	93	91	88	96	98	98	100	100	101	103	103	103	101	91	88	87	89	92	97	101	99	101	105	106	95.1
	Minimum	67	67	68	67	69	70	65	65	68	70	66	73	73	70	71	72	72	71	73	70	71	69	64	65	60	61	65	68	71	75	74	68.7
Monetta	Maximum	89	85	84	86	83	84	89	95	88	88	93	95	91	96	97	97	97	98	100	94	90	85	83	86	89	92	97	96	96	101	102	91.8
	Minimum	66	67	68	67	70	69	67	70	70	71	70	72	73	71	72	71	73	....	....	72	71	65	....	65	64	64	69	....	72	72	73	d 69.4
Mountain Rest	Maximum	84	86	83	84	85	84	82	86	82	82	91	90	87	89	89	93	92	89	91	88	87	82	82	81	85	90	91	90	93	93	95	87.3
	Minimum	....	....	....	....	....	....	....	....	....	64	72	68	67	63	67	68	68	64	65	66	62	55	60	63	59	62	62	63	65	65	67	i 61.3
Newberry	Maximum	89	88	86	89	82	87	92	94	89	89	97	100	99	99	102	99	101	99	102	98	91	82	85	88	92	96	98	98	99	102	102	91.0
	Minimum	66	65	69	68	70	67	64	68	70	70	67	71	72	70	68	71	73	72	74	72	69	66	63	64	62	62	67	65	75	75	76	68.8
Saluda	Maximum	91	97	85	86	89	85	92	94	89	85	95	99	98	97	99	102	103	102	104	100	93	89	87	90	93	96	100	98	100	103	105	95.0
	Minimum	65	67	67	69	69	69	62	65	69	70	67	74	71	69	71	69	70	....	71	70	69	65	62	63	69	....	64	65	72	73	73	b 68.2
Santuck	Maximum	90	90	87	87	80	87	92	95	89	91	96	99	96	99	101	98	101	101	103	99	90	82	85	87	....	96	99	99	98	103	104	a 94.1
	Minimum	66	66	68	67	69	67	63	69	70	69	67	74	70	69	72	70	72	71	73	68	68	66	68	63	....	61	68	70	75	74	76	a 69.0
Spartanburg §§	Maximum	87	88	81	85	76	84	89	91	87	87	92	94	92	96	98	98	99	97	99	98	92	86	85	88	91	95	98	98	100	100	103	92.1
	Minimum	65	64	66	69	68	64	62	68	71	67	67	71	70	68	73	70	69	70	72	71	68	64	62	63	68	63	66	70	72	75	73	68.0
Trenton	Maximum	86	83	83	86	82	85	88	91	90	90	91	95	94	99	90	97	99	100	99	90	89	87	87	89	91	96	98	97	97	102	104	92.1
	Minimum	67	63	68	68	62	70	68	71	72	70	68	74	72	70	72	72	72	73	74	72	71	66	64	65	66	67	74	68	67	73	74	69.5
Winnsboro	Maximum	88	87	81	85	77	85	88	85	85	85	94	97	94	95	91	97	99	98	92	91	86	79	81	85	91	95	95	93	93	95	98	89.9
	Minimum	67	67	68	67	68	67	67	68	68	69	69	71	71	73	73	73	73	73	70	73	72	62	61	65	62	62	68	70	72	72	73	68.8
Winthrop College	Maximum	89	88	88	89	85	83	88	86	86	89	95	97	93	98	97	97	97	96	100	96	86	83	84	86	90	94	97	97	97	101	102	92.1
	Minimum	66	66	69	68	61	64	64	70	70	68	69	69	70	68	72	70	71	69	75	70	66	66	63	62	60	62	68	72	75	75	75	68.2

Reference letters (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
No Rain
No Rain
No Rain
No Rain
Statute Miles
Kilometers

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OCT 7 1915

CLIMATOLOGICAL DATA

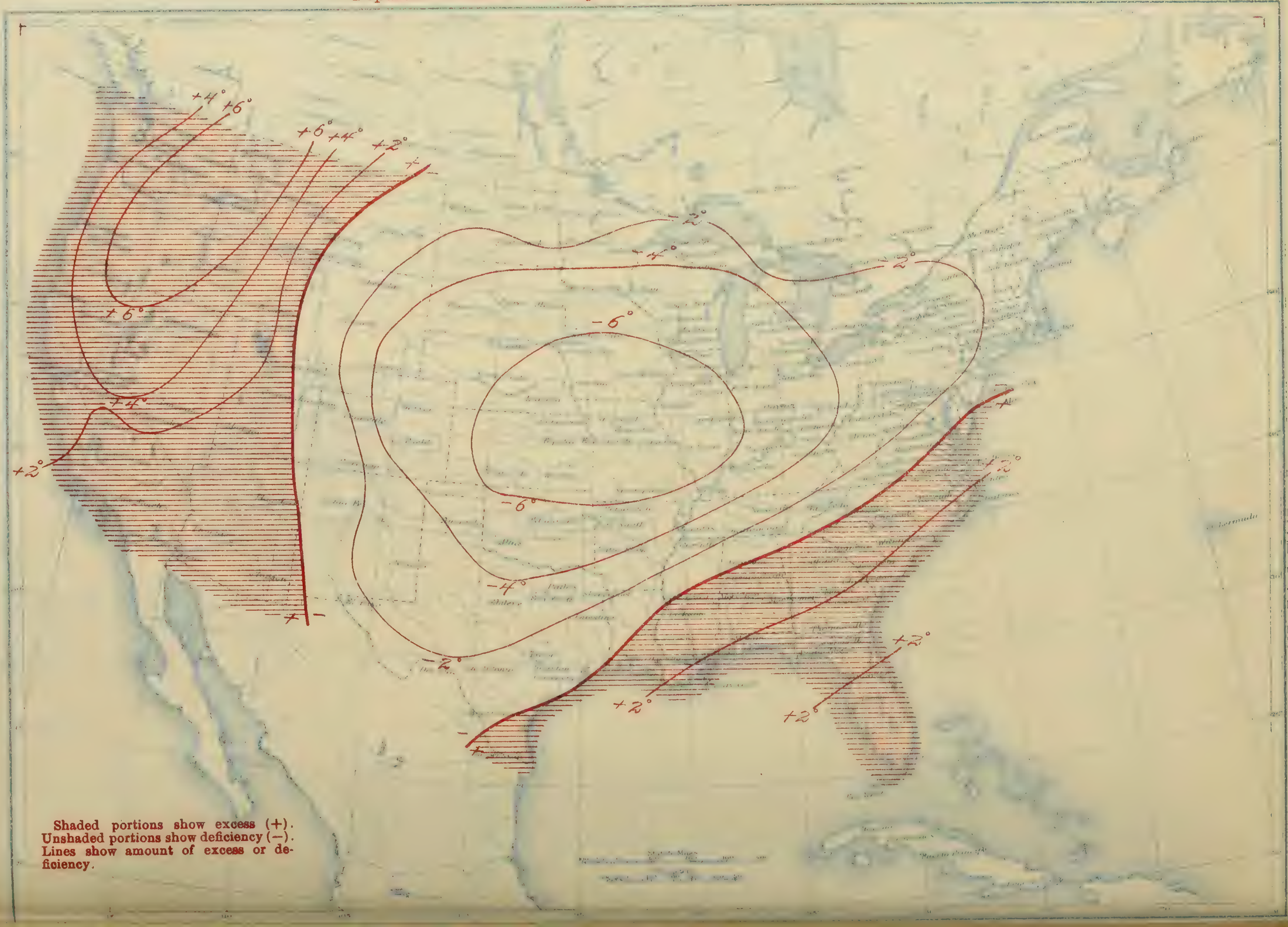
SOUTH CAROLINA SECTION

AUGUST, 1915

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
September 30, 1915.

Departure of the Mean Temperature from the Normal, August, 1915.



**Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.**

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

Vol. XVIII. Columbia, S. C., August, 1915. No. 8.

GENERAL SUMMARY.

August, 1915, stands in the group of unusually wet summer months. However, the distribution of rainfall was very irregular, a large portion of the coastal plain and the upper Piedmont receiving much more than the seasonal average, while in an extensive area of the lower Piedmont the amounts ranged considerably below normal. Heavy to excessive rains over the upper Catawba watershed about the 11th were followed by moderate freshets in the lower Catawba, Wateree and Santee rivers, the crest of the flood passing Ferguson by the 20th. A well-defined tornado struck Greenville during the afternoon of the 20th, causing the death of one negro man and property damage estimated at $45,000; the path of the disturbance was 100 yards wide and five miles long. Thermal conditions for the month as a whole were near the seasonal average.

The prolonged wet weather, with cool nights and but two short relatively dry periods, was generally unfavorable for the proper development of cotton, which slowly deteriorated throughout the month, except in favored localities, with increasing areas of shedding and rust. Where weather permitted, picking became quite general over the coastal plain and the lower Piedmont during the last decade. Haying and cultivation of fall and winter truck lands were materially retarded. On the other hand, late corn, field truck, gardens, forage crops and pastures showed much improvement over the parched condition of the last of July. Tobacco gathering and curing continued at the close of the month.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 29.99 inches. The highest pressure in the region covered by reports was 30.22 inches at Wilmington, N. C., on the 16th, and in the Section proper, 30.18 inches at Columbia on the same date; lowest, 29.59 inches at Columbia on the 3d.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 43 stations, was 78.8°, coinciding with the established normal. The highest temperature of the month was 102° at Blackville, Barnwell Co., and at Camden, Kershaw Co., on the 1st. The warmest period was on the 1st, but a number of stations of the eastern portion recorded high temperatures on various dates during the latter part of the month. The lowest temperature was 52° at Mountain Rest, Oconee Co., on the 6th. The coolest weather of the month occurred at most of the stations between the 5th and 8th.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 85%; 8 p. m., 78%. The highest average percentages occurred over the extreme southern and extreme northeastern coast districts, and the lowest, over the north-central counties.

PRECIPITATION.

The average for the Section, 54 stations reporting, was 7.62 inches, or 1.26 inches above the established normal. But 7 previous Augusts during the past 29 years have had averages above that of the current month. Precipitation was well distributed over the Section as to time, but was extremely irregular as to amount and area covered. There were but two short relatively dry periods during the month, namely: 6th to 8th and 22d to 26th, inclusive. Only 2 days were without rain in some part of the Section, viz.: 7th and 24th. Heavy rains were by far the most numerous over the coastal plain and portions of the upper Piedmont, where the amounts ranged from 7 to over 13 inches; in an extensive area of the lower Piedmont, in the extreme northwestern portion and in the vicinity of Charleston the amounts were generally below normal and ranged downward from 6 to less than 4 inches. The greatest local monthly amount was 13.58 inches at Centenary, Marion Co.; least local monthly amount, 3.72 inches at Newberry, Newberry Co. The greatest 24-hour rainfall at any station was 6.48 inches at Florence No. 2 (Pee Dee Experiment Station), Florence Co., on the 11th. The number of rainy days averaged 27% above normal.

WIND.

The prevailing winds were from the southwest. The average hourly velocity, determined from 7 anemometer records, was 7.3 miles. In the Section proper the averages were 6.1 miles per hour at Columbia and 9.0 miles per hour at Charleston. The highest velocity for any 5-minute period in the region covered by reports was 52 miles per hour from the west at Charlotte, N. C., on the 29th, and in the Section proper, 42 miles per hour from the southwest at Columbia on the 4th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 238.7 hours, or 57% of the possible amount. The average number of clear days was 11; partly cloudy, 11, and cloudy, 9, as against normals of 12, 11 and 8 days, respectively.

RIVER CONDITIONS.

Heavy rains of 5 to 6 inches over the upper Catawba watershed on the 10th and 11th were followed by a moderate freshet in the lower Catawba, Wateree and Santee rivers progressively from the 12th to the 20th. As the stages ranged but slightly above flood, there were no losses. Timely warnings resulted in saving $8,200 worth of property in the upper Santee basin. The Santee River was again above flood between the 24th and 26th, incident to general rains over the upper reaches on the 20th and 21st. The Pee Dee River at Cheraw rose rapidly from 6.2 to 25.5 feet between the 28th and 29th, due to heavy rains in central North Carolina on the 27th and 28th. Otherwise, the rivers of the section were relatively low.

(CONTINUED ON PAGE 60.)

MISCELLANEOUS DATA FOR AUGUST, 1915.

Stations.	Barometer—sea level.	Temperature—degrees Fahr.			Precipitation—inches.		Wind.		Mean relative humidity		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity—miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	29.99	70.4	89	52	4.26	1.08	5.9	se.	92	79	54
Augusta, Ga.......	29.99	79.4	96	66	12.53	3.93	4.9	se.	86	78	62
Charleston, S. C...	29.99	82.0	96	69	5.40	1.57	9.0	s.	79	79	59
Charlotte, N. C ...	29.99	76.0	95	61	4.59	1.55	9.1	sw.	85	72	50
Columbia, S. C....	29.98	79.3	96	65	4.56	1.28	6.1	s.	86	73	46
Savannah, Ga.....	29.99	82.3	96	68	9.44	2.29	9.3	sw.	84	84	69
Wilmington, N. C.	30.00	79.2	92	65	9.24	2.41	6.5	sw.	85	80	62
Means and extremes......	29.99	78.4	96	52	7.15	3.93	7.3	sw.	85	78	57

Climatological Data for August, 1915.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. on (0.01 in. or more)	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	26	81.2	+0.8	96	27	65	7	27	10.48	+4.72	6.00	0	15	8	3	20	w.	H. G. Harris.
Beaufort	Beaufort	21	28	......	......	......	......	......	......	......	......	......	......	......	....	....	....	....	......	Miss Lillian H. Rice.
Blackville	Barnwell	296	26	81.6	+1.0	102	1	63	7	34	7.90	+2.13	3.25	0	13	12	10	9	......	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	12	79.1	−0.3	101	1	62	8	32	11.71	+5.79	4.35	0	17	10	18	3	sw.	B. O. Evans.
Centenary	Marion	43	....	79.4	......	96	1	63	† 7	32	13.58	....	3.91	0	20	9	10	12	sw.	D. L. Carmichael.
Charleston	Charleston	48	44	82.0	+1.7	96	25	69	31	20	5.40	−1.57	1.57	0	15	3	16	12	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	25	78.1	−0.6	97	1	60	23	30	7.26	+0.55	2.20	0	15	....	....	....	......	J. H. Powe.
Conway	Horry	25	29	b 78.6	−0.7	b 93	† 9	a 64	† 7	27	7.88	+0.82	1.80	0	12	....	....	....	......	Paul Quattlebaum.
Darlington	Darlington	175	19	78.1	−0.7	100	1	61	† 7	28	12.65	+7.53	2.66	0	17	7	7	17	......	D. C. McCall.
Dillon	Dillon	100	11	78.4	−1.0	98	1	a 63	† 7	28	9.63	+4.88	2.44	0	12	....	....	....	......	A. E. Rowell.
Edisto ‡‡	Bamberg	143	27	......	......	......	......	......	......	......	7.43	+1.09	2.65	0	15	....	....	....	......	Nathan Jenkins.
Effingham	Florence	106	22	......	......	......	......	......	......	......	10.73	+4 32	2.40	0	12	....	....	....	......	H. B. McCall.
Ferguson	Orangeburg	63	29	81.1	+2.9	96	† 1	62	29	31	9.10	+1.79	1.98	0	15	....	....	....	......	Joseph P. Simons.
Florence 1	Florence	136	26	79.4	−1.0	101	1	62	† 8	33	10.89	+5.35	2.90	0	13	9	14	8	sw.	H. K. Gilbert.
Florence 2	Florence	136	....	......	......	......	......	......	......	......	13.05	+7.51	6.48	0	10	13	5	13	se.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	20	82.1	+2.0	a 96	† 10	64	7	a 31	7.40	+1.50	2.00	0	11	....	....	....	......	A. P. Hazard.
Kingstree	Williamsburg	54	26	79.9	−0.1	95	† 1	61	7	29	7.96	+1.54	1.56	0	14	15	8	8	nw.	A. O. Matthews.
Mayesville (near)	Sumter	70	....	79.2	......	99	1	61	† 6	32	7.85	....	2.28	0	18	6	11	14	sw.	Lewis E. Warren.
Oaks	Georgetown	......	....	a 79.2	......	a 93	27	a 62	7	29	10.32	....	1.90	0	20	15	4	12	w.	O. M. Mitchell.
Pinopolis **	Berkeley	54	21	80.2	+2.1	92	† 10	70	† 19	....	10 13	+5.50	2.92	0	15	6	10	15	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	5	......	......	......	......	......	......	......	5.43	....	1.40	0	14	....	....	....	......	William B. Wolfe.
St. George	Dorchester	109	26	80.6	+0.7	98	25	64	7	28	7.58	+1.10	2.02	0	15	8	12	11	ne.	R. S. Weeks.
St. Matthews	Calhoun	269	26	81.4	+2.0	99	1	63	7	28	7.94	+2.21	2.40	0	13	4	21	6	w.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	19	......	......	......	......	......	......	......	8.72	+1.58	2.25	0	16	....	....	....	......	W. G. Walker.
Society Hill	Darlington	192	23	77.7	−0.7	97	1	60	6	31	10.50	+4.54	3.58	0	14	8	17	6	sw.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	17	79.8	+0.6	93	† 24	66	7	24	8.47	+0.51	1.92	0	18	2	27	2	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	12	l 81.2	+0.8	b 95	† 11	b 63	7	b 27	10.19	+3.18	3.30	0	19	10	13	8	......	J. A. Westerberg.
Yemassee	Hampton	24	19	80.0	−0.2	95	† 10	62	7	28	8.34	+1.65	2.52	0	16	16	7	8	w.	J. G. Hutson.
Division means and extremes		......	....	79.9	+0.5	102	1	60	† 6	34	9.21	+2.97	6.48	0	15	9	12	10	sw.	
Western Portion.																				
Aiken	Aiken	527	20	79.2	−1.1	100	1	61	5	31	9.03	+3.20	2.10	0	14	9	13	9	sw.	W. M. Brown.
Anderson	Anderson	764	13	78.8	+0.9	101	1	60	6	34	7.75	+2.20	1.78	0	16	18	0	13	w.	H. H. Russell.
Batesburg	Lexington	656	26	78.0	−0.8	98	1	60	6	30	5.49	+1.53	2.05	0	10	22	3	6	ne.	E. J. Hite.
Blairs	Fairfield	293	11	......	......	......	......	......	......	......	4.64	−0.33	1.21	0	14	....	....	....	......	J. N. Owens.
Calhoun Falls	Abbeville	508	22	......	......	......	......	......	......	......	5 45	+0.59	1.87	0	9	....	....	....	......	L. M. Parker.
Camden	Kershaw	222	48	79.3	......	102	1	62	23	32	5.45	−0.96	2.25	0	13	12	12	7	sw.	W. C. Brown.
Catawba	York	562	9	......	......	......	......	......	......	......	4.80	−1.10	0.80	0	13	....	....	....	......	James C. Faris.
Chappells	Newberry	402	11	......	......	......	......	......	......	......	5.12	−0.49	2.42	0	12	....	....	....	......	J. J. Murran.
Clemson College	Oconee	850	23	e 76.2	−1.6	e 95	2	e 60	23	e 26	5.97	+0.53	1.35	0	11	15	5	11	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	28	79.3	−0.2	96	1	65	31	25	4.56	−2.22	1.28	0	14	10	10	11	s.	U. S. Weather Bureau.
Edgefield	Edgefield	......	1	......	......	......	......	......	......	......	6.43	....	1.65	0	10	....	....	....	......	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	2	......	......	......	......	......	......	......	7.19	....	2.04	0	14	....	....	....	......	Harry A. Parshall.
Greenville	Greenville	989	22	75.4	−0.5	93	† 1	57	6	32	8.33	+1.29	2.03	0	17	9	13	9	w.	Spartan Goodlette.
Greenwood	Greenwood	671	26	77.3	−1.6	96	1	60	17	35	4.37	−1.00	0.60	0	13	18	0	13	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	13	75.9	−3.5	95	1	60	7	27	4.04	−2.31	2.48	0	7	4	21	6	w.	J. Marvin Bowers.
Landrum	Spartanburg	1063	....	74.8	......	97	1	58	† 22	31	6.17	....	1.54	0	14	12	12	7	......	R. Hartwell Wilds, D.D.S.
Liberty	Pickens	900	20	77.2	−0.5	92	1	59	6	36	10.25	+4.09	2.25	0	13	10	15	6	sw.	John T. Boggs.
Little Mountain	Newberry	711	21	78.7	−0.7	98	1	64	† 19	25	4.11	−0.76	1.13	0	16	14	6	11	s.	J. M. Sease, M. D.
Meriwether	Edgefield	......	11	h 80.2	+2.4	h 101	1	g 60	6	34	4.85	−0.01	2.00	0	5	....	....	....	......	William S. Middleton.
Monetta	Saluda	400	8	79.3	......	98	1	a 63	7	31	6.29	....	1.73	0	16	7	19	5	sw.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	....	72.2	......	91	1	52	6	34	5.21	....	0.71	0	13	23	4	4	......	J. H. Brown.
Newberry	Newberry	502	27	79.0	−0.3	97	1	60	6	32	3.72	−1.65	0.84	0	16	4	13	14	w.	Warren G. Peterson.
Pelzer	Anderson	850	11	......	......	......	......	......	......	......	8.32	+3.83	2.30	0	16	....	....	....	......	Joshua Y. Jones.
Saluda	Saluda	536	12	79.0	−0.4	98	1	58	6	34	4.65	−1.22	1.81	0	14	17	8	6	s.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	20	77.6	−1.0	101	1	60	† 6	34	7.17	+1.35	2.48	0	14	10	11	10	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	23	76.7	−1.7	101	1	59	23	32	8.55	+2.62	2.90	0	13	....	....	....	......	F. P. Robinson.
Trenton	Edgefield	620	21	78.2	−1.3	94	15	63	7	29	5.61	−0.87	1.35	0	8	9	19	3	w.	Mrs. S. E. Long.
Winthrop College ‡‡	York	690	14	77.6	−1.1	99	1	58	27	36	6.89	+0.87	2.00	0	7	7	20	4	sw.	W. P. Goodman.
Division means and extremes		......	....	77.6	−0.7	102	1	52	6	36	6.09	+0.08	2.90	0	13	12	10	9	sw.	
State means and extremes		......	....	78.8	0.0	102	1	52	6	36	7.62	+1.26	6.48	0	14	11	11	9	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (a, b, c), appearing in the table indicate number of days missing; for example, b represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb: means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.
T. Precipitation is less than 0.01 inch of rain or melted snow.

(CONTINUED FROM PAGE 59.)

MISCELLANEOUS PHENOMENA.

Fogs, dense (dates).—Cheraw, 29; Columbia, 16, 17, 31; Liberty, 29; Mayesville (near), 9, 15, 17; Monetta, 31; Mountain Rest, 4, 5, 19, 27.

Hail (dates).—Bowman, 31; Landrum, 1.

Halos (dates).—*Lunar:* Columbia, 24; Liberty, 27, 29; Santuck, 24. *Solar:* Charleston, 12, 30; Columbia, 17.

Tornado (date).—Greenville, 20: funnel cloud; path, 100 yards wide and 5 miles long; one negro man killed; damage, $45,000; movement, west to east.

Errata—July, 1915.

COMPARATIVE DATA (page 53).—Average rainfall, 1914, should be 5.16.

Daily Precipitation for August, 1915.

Stations.	Watershed.	Day of month. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
lendale ‖	Savannah			6.00	.05	.07	.45				.26		.61	.35	.03			.10	.42	1.00			.11						.53		.35	.15	10.48
aufort	Coast																																
ackville ‖	Edisto			3.25	.55	.23					.15		1.07	.15				.20	.22	.33			.13					.64	.07		.91		7.90
wman	do		.30	4.35	.15	1.12				.15		1.74	.28	.21	.08	.11	.84	T.	.78	.14	T.	T.					.04	.39	T.	T.	.33	.70	11.71
ntenary	Pee Dee			1.91	.30	.02				.18	.12	2.47	.06	.63	.07		.19	.33	.63	.04	.26	.10						1.17	.05	.47	.67	3.91	13.58
arleston ***	Coast	T.	.13	.60	.35	.13			T.		.02	.16	T.	.05	T.		T.	.21	1.45	.12		.16						.53	T.	.12	.26	1.11	5.40
eraw ‖	Pee Dee			1.06	1.31	.78					.30	.33	.72		.01			.03	.25	.05	.04		T.					.05	2.20		.06	.07	7.26
nway ‖	Waccamaw			.95	T.	T.	.12				.33	1.09	.10		.95	.83	.28	T.	.75		T.	.26							1.80		.42		7.88
rlington ‖	Pee Dee	T.		1.29	1.52	.64					.50	2.66	1.52	.07	.02			1.10	.40	.05	.55	.02						.32	.75	.02	1.22		12.65
llon	Little Pee Dee		T.	.62	T.	1.34				.21	T.	2.44		1.22	.07		1.17		T.	.15	.08	T.						1.82		.39		.12	9.63
isto ‖	Edisto			2.65	.45	.27	.20				.39	.32	.45	.21	.67			.07	.48	.31								.06	.50		.20		7.43
ingham ‖	Lynches			1.45	.25						1.55	1.15	1.04	.18	.10			.21	2.00		.20							T.	2.40		.20	T.	10.73
rguson ‖	Santee			1.37	.57		.48			.03			.75	.46	.73	.08	.41	1.98	.21	.52								.70	.18	.63			9.10
orence 1 ‖	Pee Dee			1.48	.73	.16					.56	2.90	1.30	.06				.13	.64		.78		.12						1.75		.28		10.89
orence 2	do		T.	2.16	.82					.45	.18	6.48	T.	.17			T.	T.	.74	.62		T.						1.20			.23	T.	13.05
orgetown	Coast					.50					.40	2.00			.85		.15	.60		.25		.45						.65	.55			1.00	7.40
ngstree ‖	Black			1.56	.55		.10				.40	.29	.76	.94	.20			.97	.20				.51						.80		.40	.28	7.96
yesville (near)	do		.18	2.10	.88	.08	T.				.22	.46	.01	.45			.41	.76	.34	.45	.08	.10						.55	.02	T.	.25	.51	7.85
ks	do	T.	.01	1.42	.08	.06			T.		.92	1.74	.01	.42	1.04	.01	.26	.12	.17	.08	.01	.22						.95		.30	.60	1.90	10.32
nopolis	Cooper		2.92	.24		.72				.10		.05	.13	.98			.33	.21	.03								.08	.63		.03	.77	2.91	10.13
mini ‖	Santee			2.00	.30	.04	.02				.65	.60	.18	.48				1.40	.35				.47						.41		.38	.15	5.43
George ‖	Edisto			2.02	.59	.05	.09				.52		.80	.45	.86	.39		.38	.17	.37									.83		.11	.01	7.58
Matthews ‖	Santee			2.40	.66	.10	.92				.15		.20	.30					1.50	.15			.90						.11		.40	.15	7.94
iths Mills ‖	Pee Dee			.90	.05	.03	.10				.27	.50	.33		1.03	.39		.12	2.25		.68	.05	.27						1.27		.48		8.72
ciety Hill ‖	do		1.28	1.72	.29					.32	.61	.64		.30			.18	.68	.25	.17								3.58		.08	.40		10.50
mmerville	Ashley	.06	.96	1.36	.39	.63	.01		T.		T.	T.	.12	1.12	.04		.13		.15	.05	T.	.02					T.	1.17	.04	.15	.15	1.92	8.47
lterboro	Ashepoo	.05	.50	1.28	1.11	.26			.02		.02	.01	.07	1.89			.24		.12	3.30							.16	.37	.02	.17	.48	.12	10.19
massee ‖	Combahee		.24	2.52	.43	.06	.63			T.		.42	.39	.31	1.21	.02		.17	1.12	.24			.12						.27			.19	8.34
Western Portion.																																	
ken	Edisto		.20	1.60	2.10					.10		.80	.20	.90	.05		.60		.75	.35		.65									.70	.03	9.03
derson	Savannah	.26		.74	1.21	.03				.26		1.02	.15		.86	.24	.39	.06	.46	1.32	.40	.23						.12					7.75
tesburg ‖	Edisto			1.57	.48	1.01					T.	T.	.08	.04				.62	T.	.47	.04								.22		.96		5.49
irs ‖	Broad	.04		.42	.20	.94						1.07	.14			.17		.88	.06	.10	.30	.08							.04		.20		4.64
lhoun Falls ‖	Savannah			.10	22						.26	.08	.97			1.37				1.87								.19			.39		5.45
mden ‖	Wateree	.05		.90	2.01	.24						.07	.08					.54	T.	.03	.33	.12						.07	.52		.49	T.	5.45
tawba ‖	Catawba			.79	.80	.66						.29	.04			.03			.06	.42	.21	.08						.78	.59		.05		4.80
appells ‖	Saluda			1.62	.80	.16					.04		.45	12				.11		.92	.15	.25							.07		.43		5.12
mson College	Savannah			.85					.01		.75	.40			.28		.80		*	1.10	1.35							.05		.38			5.97
lumbia ***	Congaree		.44	.90	.54					.02		.10	.02	.13			.89	.40	.06	T.	T.	.02						.70	T.	T.	.05	.29	4.56
gefield ‖	Savannah			.98	.45	1.20						.55	.48					.30	.75	.30									.35		1.07		6.43
ston Shoals ‖	Broad		.12	.62	.44	T				.16		1.06	.57			.12			.56	.31	.30	2.04						.55	.08	.26			7.19
eenville ‖	Saluda	1.04	.99	1.02	.10	.36				.05		.31	1.11			.10			.04	.70	1.08	.97				.02		.10	.14		.20		8.33
eenwood ‖	do			.18	.58	.12					.45	.25	.60	.44		.40		.28		.76	.18								.16		.47		4.37
ath Spring	Wateree			2.48	.10					.23		.29					.05			.79								.10					4.04
ndrum	Broad	.77	.47							T.		.27	.81	.06	.08				.12	1.54	.16	.77						.15	.36		.11	.50	6.17
erty	Savannah	2.25	1.98	.10	T.					.20		.25	1.60		.50					.40	.60	1.52				T.		.12	.08	T.	.65		10.25
tle Mountain	Saluda		.13	1.13	.43					.10		.03	.04	.86		.08	.60		.13	.16	.04	.03						.13	.03		.19		4.11
riwether	Savannah		T.	.19	1.82					T.		.56	T.	T.		.28				2.00								T.					4.85
onetta	Edisto		.11	1 73	1.37	.41				T.		.09	.08	.06		.06	1.03	.03	.07	.34	.01	.18						.12			.60		6.29
untain Rest	Savannah	.85	.14		.40							.34	.71	.58	.22				.22	.33	.20	.60						T.	.42		.20		5.21
wberry	Saluda		.08	.84	.43	.07				.21		.09	.21			.27	.47		.10	34	.06	.07						.07	.02		.39		3.72
lzer ‖	do	.12	.20	.70	.30	.04			.06	.06			2.00			.30		.04	.60	.90	.20	2.10							.26		.44		8.32
luda	do		.07	1.81	.40	.35				.15		18		.50	.05		.42		.35			.05						.14		.03	.18		4.65
ntuck	Broad		T.	.98	.59					.06		43	.17		2.08	.40	.76	.23	T.	.22	.53	.03						.39			.30		7.17
artanburg ‖	do		.15	.65	.60	.08				T.		.32	1.85			.20			.13	.64	.56	2.90							.07		.40		8.55
enton	Edisto			1.35	.92							.50					.61		.63	.39				.29						.92			5.61
inthrop College	Catawba			1 40								.76				1.38				.42		.83						2.00			.10		6.89

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation. Average.	Average days with 0.01 inch or more.	Average number of days— Clear.	Partly Cloudy.	Cloudy.	Prevailing wind direction.
87	77.8	101	49	6.54	11				
88	77.8	102	50	4.53	16				sw.
89	74.4	97	45	6.37	12				se.
90	77.1	96	51	4.25	9				s.
91	78.9	98	55	8.79					sw.
92	79.5	96	59	4.42					sw.
93	77.5	97	57	12.45	13	10	9	12	ne.
94	77.9	102	55	7.28	11	10	13	8	sw.
95	79.4	101	55	7.95	13	9	14	8	sw.
96	80.4	105	52	4.14	7	14	12	5	sw.
97	78.0	102	57	5.16	9	13	9	9	sw.
98	78.7	99	57	9.81	18	8	11	12	sw.
99	81.2	103	59	6.26	10	12	11	8	sw.
00	83.0	106	60	2.13	5	21	9	1	sw.
01	78.6	97	57	9.01	15	7	14	10	s.
02	78.6	104	55	5.07	12	14	10	7	sw.

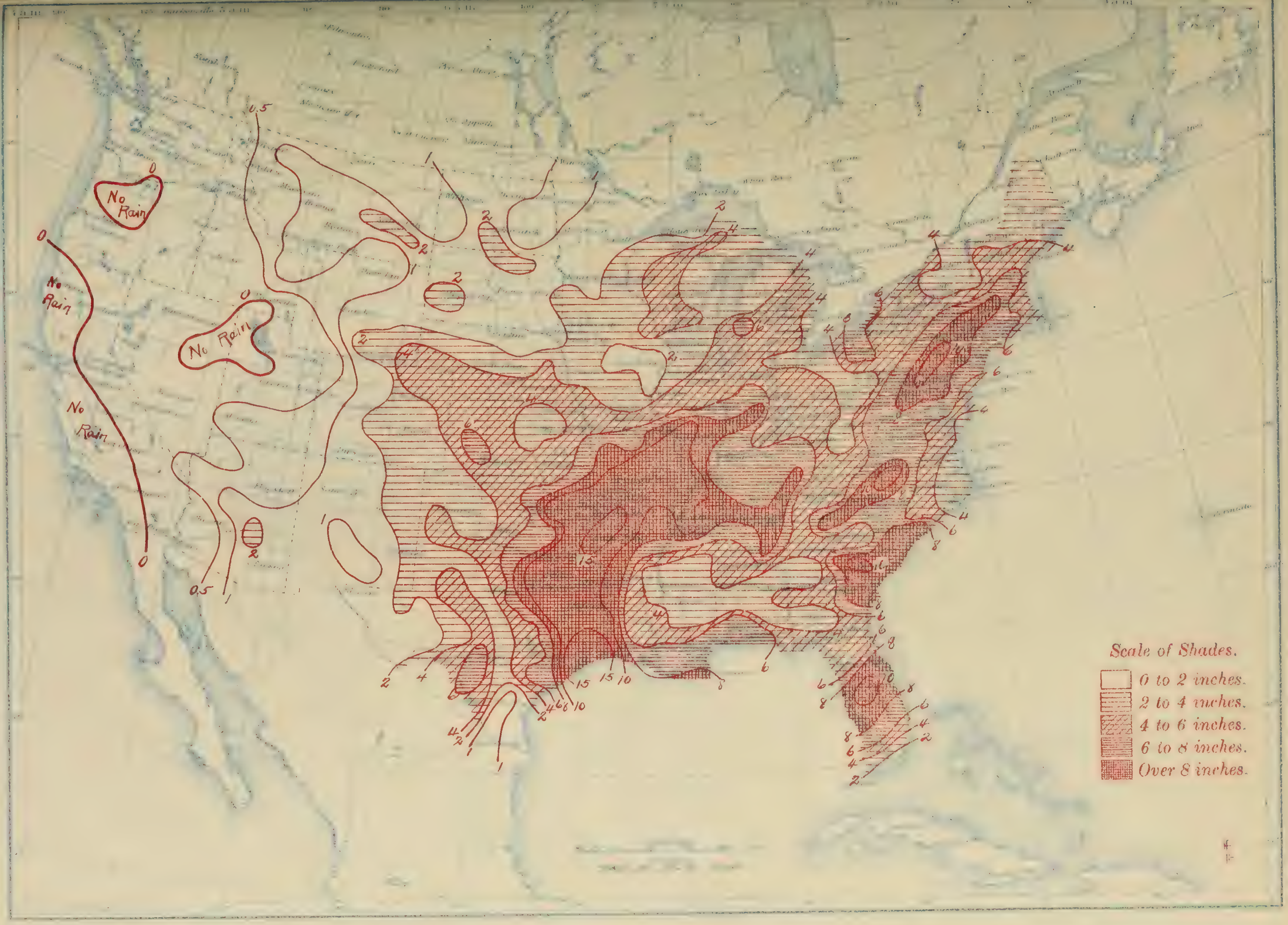
Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation. Average.	Average days with 0.01 inch or more.	Average number of days - Clear.	Partly Cloudy.	Cloudy.	Prevailing wind direction.
Continued—									
1903	80.6	105	60	7.15	12	15	9	7	sw.
1904	77.6	102	54	8.47	14	12	9	10	sw.
1905	77.9	107	46	5.69	11	15	8	8	sw.
1906	80.6	100	60	6.62	15	7	17	7	sw.
1907	79.4	101	54	5.41	9	13	13	5	sw.
1908	78.6	100	49	9.11	10	12	11	8	s.
1909	78.8	104	53	4.83	8	15	12	4	ne.
1910	79.0	101	60	6.00	10	11	12	8	ne.
1911	80.0	104	51	6.05	12	10	15	6	sw.
1912	79.2	104	54	3.69	9	16	8	7	sw.
1913	78.9	109	56	3.76	9	15	9	7	sw.
1914	79.0	101	56	5.88	13	9	15	7	sw.
1915	78.8	102	52	7.62	14	11	11	9	sw.
Period	78.8	109	45	6.36	11	12	11	8	sw.

Daily Temperatures for August, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	94	86	92	93	90	89	90	92	95	95	95	92	91	92	91	87	91	91	80	90	90	89	92	94	94	95	96	89	90	87	84	90.8
	Minimum	72	76	74	73	70	69	65	67	73	72	76	76	70	74	74	75	74	72	69	68	70	72	69	69	74	72	70	69	72	68	71	71.5
Beaufort	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Blackville §§	Maximum	102	90	94	94	90	92	97	91	100	97	93	93	95	96	97	86	95	93	81	93	93	93	95	98	98	98	92	93	92	88	84	93.3
	Minimum	72	74	74	72	70	66	63	65	70	72	75	72	70	73	74	75	75	70	67	67	69	64	66	67	72	70	72	69	68	67	70	70.0
Bowman	Maximum	101	90	91	90	89	90	90	91	92	94	90	90	88	90	90	85	90	85	80	84	88	89	92	94	95	94	90	83	92	91	81	89.6
	Minimum	69	70	70	71	70	67	65	62	65	70	70	68	69	68	70	73	72	70	65	70	70	71	68	67	68	69	68	70	69	68	65	68.6
Centenary	Maximum	96	93	87	90	92	90	92	94	95	95	85	89	86	88	92	87	88	80	78	82	86	90	91	92	95	94	81	88	90	85	83	88.8
	Minimum	70	72	73	72	72	69	63	63	70	70	69	73	74	69	73	73	72	70	69	65	74	71	73	68	71	68	69	69	70	68	64	69.9
Charleston	Maximum	87	86	88	86	91	89	86	86	92	93	87	89	91	89	87	86	89	89	80	84	90	92	90	94	96	87	90	92	86	87	87	88.6
	Minimum	81	77	75	75	73	73	72	76	76	77	77	75	73	76	81	81	75	73	70	71	77	76	77	79	79	79	70	70	73	73	69	75.3
Cheraw §§	Maximum	97	94	83	86	88	85	89	92	92	91	87	87	90	90	91	90	88	78	76	80	87	90	90	93	92	91	78	85	85	86	73	87.2
	Minimum	73	72	73	73	71	68	62	65	70	70	70	71	72	70	71	72	71	71	64	65	73	70	60	63	69	66	71	69	70	66	69	69.0
Conway §§	Maximum	....	90	89	89	92	88	82	92	93	93	82	89	82	83	83	81	90	76	....	82	88	90	91	93	93	88	88	89	89	83	83	[b] 87.3
	Minimum	73	....	77	73	73	70	64	65	70	71	70	70	73	70	68	73	73	71	66	66	66	74	65	72	75	69	72	64	72	67	61	[a] 69.8
Darlington §§	Maximum	100	97	85	89	90	86	89	91	92	90	86	87	88	89	92	89	88	78	75	81	86	89	90	92	91	91	80	84	85	85	85	87.8
	Minimum	70	71	72	72	70	67	61	65	70	70	69	68	70	69	71	72	76	75	63	61	66	70	62	65	70	65	70	68	68	65	68	68.4
Dillon	Maximum	98	97	90	89	86	85	85	93	93	91	83	90	85	88	92	86	88	87	72	82	86	89	90	92	90	92	78	86	87	84	83	87.6
	Minimum	71	77	73	73	....	69	63	65	72	69	69	73	69	69	72	69	72	69	63	65	73	63	64	69	72	68	69	69	68	68	69	[a] 69.1
Ferguson §§	Maximum	96	91	89	91	91	87	91	93	93	95	91	90	92	92	93	89	91	88	78	88	89	91	93	95	95	90	94	93	92	88	85	91.0
	Minimum	73	78	75	74	71	71	74	74	72	72	73	71	70	70	71	72	71	71	67	67	69	72	74	75	75	72	72	68	62	64	68	71.2
Florence 1 §§	Maximum	101	97	84	85	87	86	92	95	96	94	90	90	85	92	94	88	93	87	72	90	90	92	94	95	91	93	90	83	84	87	77	89.5
	Minimum	72	73	73	72	71	68	63	62	70	71	69	69	71	69	72	74	72	71	64	62	66	71	64	68	71	69	74	72	69	67	68	69.3
Georgetown	Maximum	93	94	92	90	91	90	93	95	94	96	96	90	90	91	91	89	92	....	79	86	92	91	94	94	95	92	92	93	93	94	92	[a] 91.8
	Minimum	75	74	75	78	74	70	64	70	68	71	78	74	74	69	72	73	72	72	68	69	74	76	68	74	76	73	73	70	75	80	76	72.4
Kingstree §§	Maximum	95	90	92	90	92	88	90	92	94	95	90	91	89	91	92	87	92	85	75	85	89	90	92	93	94	92	93	89	91	88	84	90.0
	Minimum	72	75	74	72	72	69	61	64	70	71	70	70	71	69	71	75	72	71	66	67	69	72	65	69	72	70	75	69	70	66	66	69.8
Mayesville (near)	Maximum	99	95	90	86	90	88	91	92	95	94	90	91	90	92	93	87	90	89	77	85	88	90	92	93	92	92	92	89	89	86	84	90.0
	Minimum	70	71	71	70	70	61	61	63	67	70	69	71	71	69	70	71	72	70	64	65	74	71	64	66	69	68	72	68	69	65	66	68.4
Oaks	Maximum	92	91	90	89	89	89	90	91	92	91	86	89	87	91	91	85	89	85	75	83	89	88	91	92	92	....	9	92	92	86	85	[a] 88.8
	Minimum	70	72	75	73	71	69	62	63	67	78	70	70	70	68	70	73	72	70	65	66	74	70	65	73	69	....	71	69	69	67	67	[a] 69.6
St. George §§	Maximum	96	87	86	88	88	86	89	92	97	94	90	90	92	93	91	86	91	90	80	87	90	91	95	97	98	96	97	91	89	90	88	90.8
	Minimum	72	75	74	72	70	69	64	67	70	71	74	70	69	69	71	74	73	72	66	66	71	72	73	69	72	71	73	68	72	66	68	70.4
St. Matthews §§	Maximum	99	88	87	88	86	86	89	90	91	93	92	91	94	94	92	85	95	87	75	87	89	91	93	95	94	90	93	89	91	88	81	90.0
	Minimum	72	73	74	74	74	72	63	70	73	75	75	74	73	71	71	75	75	71	72	72	71	76	71	72	76	75	76	74	74	71	73	72.8
Society Hill §§	Maximum	97	85	89	91	88	90	92	95	95	90	90	91	92	94	90	91	79	72	82	90	92	92	93	94	92	77	80	87	87	80	80	88.3
	Minimum	70	72	72	70	67	60	64	70	69	69	69	69	68	70	71	70	69	62	64	65	70	61	64	64	64	68	67	68	64	67	63	67.1
Summerville	Maximum	91	86	90	89	89	87	89	90	91	92	90	89	88	87	91	83	89	90	80	85	87	90	90	93	93	91	92	89	86	85	84	88.6
	Minimum	73	73	72	72	71	70	66	69	71	73	75	72	69	69	73	75	74	72	68	68	74	73	70	72	74	72	69	69	70	68	69	71.1
Walterboro	Maximum	94	90	94	91	90	....	90	90	93	94	95	91	94	91	94	88	92	90	83	91	....	92	93	94	95	95	94	92	88	90	85	[b] 91.5
	Minimum	72	74	75	71	70	....	63	68	71	73	75	71	69	70	71	75	73	71	67	68	....	72	70	70	73	71	71	69	73	75	69	[b] 71.0
Yemassee §§	Maximum	92	85	93	91	90	89	90	89	93	95	92	91	92	90	92	86	92	91	84	90	89	90	92	94	94	95	92	92	91	88	87	90.7
	Minimum	68	74	74	72	69	68	62	63	69	71	71	70	68	69	71	74	71	70	70	68	68	70	70	69	69	70	69	68	68	65	66	69.2
Western Portion.																																	
Aiken	Maximum	100	86	90	88	86	90	91	93	95	93	89	88	91	92	94	91	93	91	91	90	90	92	93	95	95	95	90	85	87	81	81	90.6
	Minimum	71	73	72	67	61	63	62	66	70	76	70	67	67	69	70	68	73	69	67	65	68	68	65	66	67	69	70	67	67	64	67	67.7
Anderson	Maximum	101	90	93	86	88	88	94	94	93	95	85	86	88	92	84	87	88	86	72	79	86	88	87	93	92	89	78	79	88	88	78	87.6
	Minimum	72	70	72	71	69	60	64	68	70	68	70	69	69	68	67	70	70	67	63	64	67	65	61	63	67	67	68	68	61	62	65	66.9
Batesburg §§	Maximum	98	89	89	87	87	86	89	92	91	92	87	89	90	92	91	91	89	88	81	85	86	88	89	91	90	92	84	90	87	85	80	88.5
	Minimum	71	71	70	69	67	60	62	63	69	70	70	64	68	69	73	74	70	68	65	64	67	65	63	66	67	68	71	68	67	64	66	67.4
Camden §§	Maximum	102	95	87	91	90	86	91	91	95	95	88	89	92	92	94	92	88	83	69	84	89	91	91	95	94	92	89	88	88	88	76	89.5
	Minimum	74	74	75	73	70	64	63	64	72	70	70	73	72	72	72	74	74	71	65	65	68	69	62	63	64	69	70	69	70	65	65	69.1
Clemson College	Maximum	....	95	88	92	85	85	86	....	92	91	86	83	84	84	....	87	84	84	81	78	82	....	84	85	85	84	83	77	....	81	82	[e] 84.9
	Minimum	....	71	70	73	74	61	61	....	66	66	66	71	71	70	....	70	72	72	66	66	68	....	60	63	69	65	71	68	....	62	64	[e] 67.5
Columbia	Maximum	96	91	90	88	88	86	89	93	94	94	87	89	89	91	90	87	88	86	70	84	88	89	90	93	92	92	86	84	87	86	78	88.2
	Minimum	75	71	74	71	70	66	66	69	73	73	73	72	72	73	71	72	73	70	66	67	74	72	66	68	73	72	69	70	70	66	65	70.4
Greenville §§	Maximum	93	90	87	85	87	86	91	87	92	93	82	79	86	88	87	88	86	87	74	72	85	87	86	90	91	86	76	78	85	86	78	85.4
	Minimum	68	69	72	71	71	57	59	65	70	69	71	69	70	68	67	72	70	70	66	64	58	60	58	59	62	62	66	66	60	61	62	65.5
Greenwood §§	Maximum	96	91	93	87	81	86	92	92	94	91	86	84	87	90	91	94	95	93	68	82	86	87	88	92	91	88	80	80	87	84	76	87.5
	Minimum	75	72	74	71	69	61	63	67	71	71	71	69	69	69	68	66	60	61	64	63	65	69	63	65	67	67	69	69	65	64	64	67.1
Heath Spring	Maximum	95	87	79	76	88	89	88	87	89	88	86	83	85	90	91	80	78	74	68	79	86	87	88	90	90	89	86	85	84	84	72	84.5
	Minimum	73	71	73	68	69	68	60	65	67	69	68	68	70	70	68	72	69	67	61	63	64	65	64	64	70	68	69	67	66	64	67	67.3
Landrum	Maximum	97	81	85	87	88	85	90	91	91	95	84	84	86	88	86	90	90	81	66	68	84	86	85	90	89	84	77	77	83	84	75	84.7
	Minimum	67	63	71	70	69	61	63	65	66	68	68	69	60	66	66	69	68	63	60	65	66	58	59	59	67	62	65	68	60	58	66	64.9
Liberty	Maximum	92	88	89	88	88	87	89	90	90	93	88	87	89	90	87	89	86	86	76	74	86	87	87	90	89	85	79	80	85	85	80	86.4
	Minimum	71	70	73	72	73	59	60	65	71	69	71	71	72	69	69	73	73	73	64	64	68	71	67	....	67	64	69	67	61	62	64	[a] 68.1
Little Mountain	Maximum	98	90	88	88	85	90	89	92	94	94	87	87	91	91	89	87	85	86	75	81	87	87	89	92	91	92	82	81	85	84	84	87.8
	Minimum	70	73	72	71	70	69	69	69	71	70	72	71	69	71	72	73	73	70	64	65	65	65	67	68	70	72	73	68	68	64	73	69.6
Meriwether	Maximum	101	92	93	94	91	90	91	95	96	98	90	90	94	96	94	93	....	....	....	....	....	....	....	....	96	94	85	85	89	89	80	[h] 92.1
	Minimum	72	72	72	69	68	60	63	66	70	70	70	69	69	69	70	74	....	....	64	....	....	....	....	....	68	68	69	69	66	65	64	[g] 68.2
Monetta	Maximum	98	90	88	88	87	87	92	94	95	94	87	88	89	93	94	94	89	90	77	86	88	88	90	92	91	94	83	83	87	86	80	89.1
	Minimum	....	77	73	74	68	72	63	67	70	70	74	69	70	70	72	72	71	70	64	66	72	69	65	69	71	69	72	68	67	64	66	[a] 69.5
Mountain Rest	Maximum	91	86	89	89	84	83	86	85	87	89	82	81	83	84	84	85	85	82	72	73	83	83	83	87	87	82	74	77	75	80	76	82.8
	Minimum	67	68	67	66	65	52	53	60	63	64	64	63	61	64	62	64	66	66	61	61	62	59	53	58	61	58	65	64	62	53	59	61.6
Newberry	Maximum	97	92	91	90	91	89	92	94	96	95	89	88	92	94	91	89	89	88	77	82	88	90	91	94	93	91	82	84	89	87	80	89.5
	Minimum	75	74	71	72	70	60	62	66	71	70	72	70	69	71	69	72	72	70	64	66	73	68	62	63	70	70	74	69	63	65	64	68.6
Saluda	Maximum	98	90	93	93	90	90	92	92	95	96	93	90	94	94	93	88	91	91	77	85	90	91	93	95	94	93	84	85	90	89	82	90.7
	Minimum	70	70	72	71	68	58	60	65	69	69	70	69	68	69	69	70	73	70	64	66	74	69	61	60	67	65	69	67	62	64	65	67.2
Santuck	Maximum	101	94	90	89	89	88	92	94	95	96	90	87	91	93	89	90	86	82	70	81	90	87	88	90	90	87	77	81	87	86	75	87.9
	Minimum	74	70	73	70	69	60	60	67	72	69	70	69	69	67	67	71	71	69	62	65	73	68	62	62	68	67	69	67	63	63	64	67.4
Spartanburg §§	Maximum	101	94	88	90	90	88	92	93	92	95	84	87	89	93	87	91	88	82	67	74	86	88	87	91	90	86	73	78	86	86	75	86.8
	Minimum	71	70	70	71	70	63	60	66	70	69	69	68	69	69	69	72	71	71	61	62	65	61	59	66	66	65	67	64	62	61	68	66.6
Trenton	Maximum	90	91	88	88	86	85	89	92	93	92	85	86	89	91	94	92	87	88	76	80	85	86	87	88	90	90	89	88	85	81	81	87.5
	Minimum	76	72	72	70	69	64	63	67	68	71	70	69	70	70	73	73	70	69	65	69	68	70	67	68	69	70	68	68	65	66	66	68.9
Winthrop College	Maximum	99	92	92	88	89	86	97	98	97	92	88	86	90	92	89	91	88	75	72	80	94	94	92	90	89	86	80	79	85	85	77	88.1
	Minimum	75	71	73	70	69	61	66	62	74	70	71	70	70	70	69	72	72	68	62	64	61	61	63	64	69	66	58	65	66	63	65	67.1

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


No Rain
No Rain
No Rain
Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.

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UNIVERSITY OF ILLINOIS
URBANA

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NOV 30 1915

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

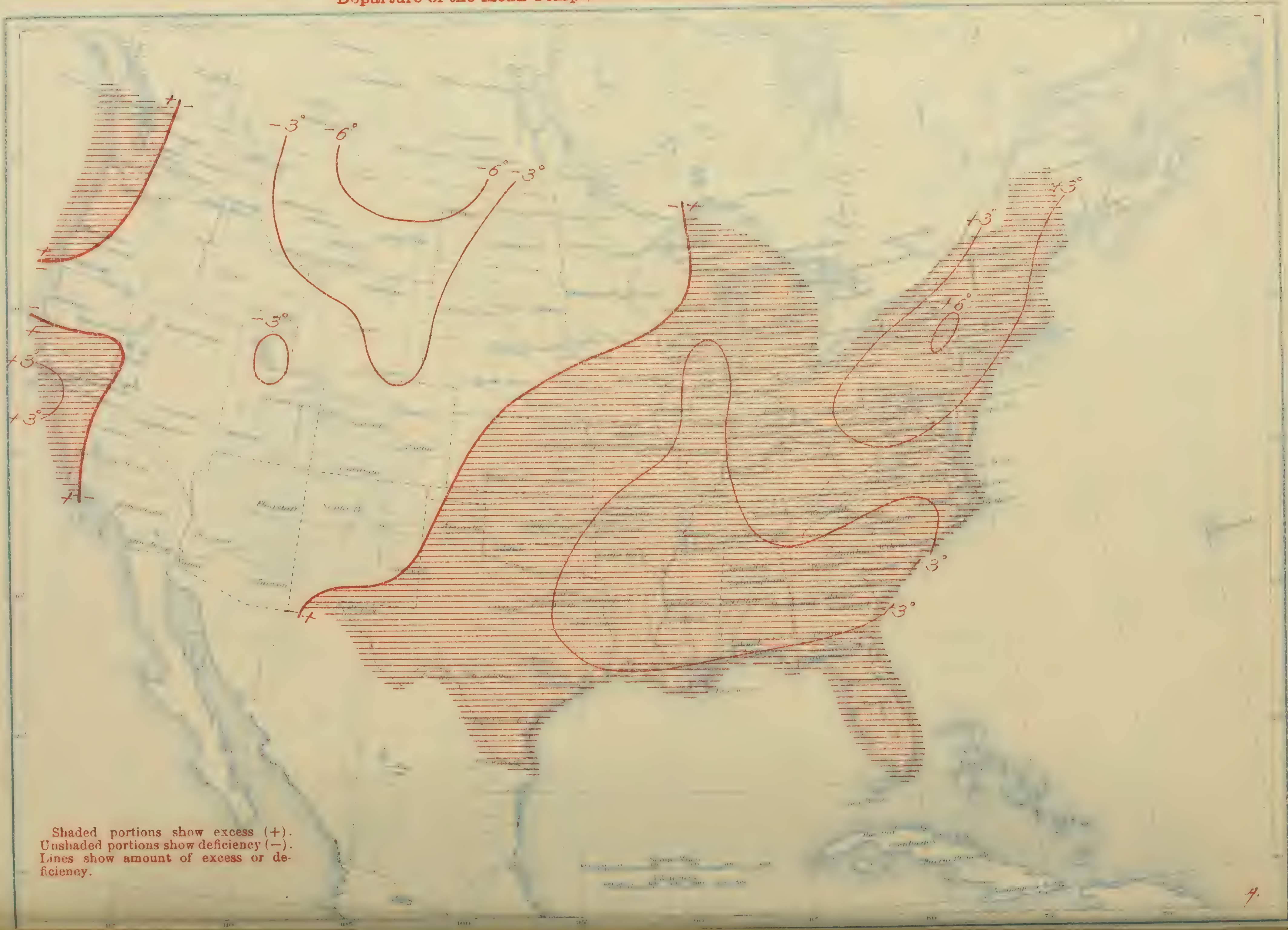
SOUTH CAROLINA SECTION

SEPTEMBER, 1915

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
October 28, 1915.

Departure of the Mean Temperature from the Normal, September, 1915.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

4.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

VOL. XVIII. COLUMBIA, S. C., SEPTEMBER, 1915. No. 9.

GENERAL SUMMARY.

In direct contrast to the preceding month, September, 1915, was remarkably dry, with temperatures considerably above the seasonal average. The distribution of rainfall continued extremely irregular, particularly after the first week, and but two small areas received monthly amounts above normal, while an extensive region of the northern portion experienced droughty conditions. This was greatly intensified by unseasonably high day and night temperatures during the period, 7th to the close of the 22d. The drought was broken by copious showers throughout the Section on the 30th.

As a result of marked change from cool, wet weather to excessive heat and maximum sunshine after the first week, cotton opened rapidly, and picking, ginning and marketing continued with but little interruption until about the close of the month. In view of irregular periods of cool, wet weather, with intervals of intense heat during the growing season, the general output was better than was expected, and the condition ranged relatively about one-third fine and still fruiting, one-third fair and one-third poor, according to methods of cultivation and fertilization. While more moisture would have materially improved corn, field truck, gardens, forage and pastures, these crops were generally promising at the close of the month. The weather was especially favorable for harvesting a large crop of good hay. Peanut culture was considerably increased this year, and gathering the season's crop began during the last decade.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.07 inches. The highest pressure in the region covered by reports was 30.39 inches at Charlotte, N. C., on the 23d, and in the Section proper, 30.31 inches at Columbia on the same date; lowest, 29.76 inches at Asheville, N. C., on the 30th, and in the Section proper, 29.81 inches at Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 42 stations, was 75.9 degrees, or 1.6° above the established normal. The highest temperature was 102° at Blackville, Barnville Co., on the 11th. A persistant heat wave that prevailed from the 7th to the close of the 22d was attended by daily mean temperatures that ranged from 5° to 12° above the normal. The warmest period was between the 9th and 11th. The lowest temperature was 43° at Mountain Rest, Oconee Co., on the 22d, and at Saluda, Saluda Co., on the 23d. The coolest period was between the 23d and the 25th, but by far the greater number of monthly minima were recorded on the 23d.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 85%; 8 p.m., 74%. The highest average percentages occurred over the extreme southern and extreme northeastern coast districts, and the lowest, over the north-central counties.

PRECIPITATION.

The average for the Section, 55 stations reporting, was 2.38 inches, or 1.60 inches below the established normal. Precipitation was unequally distributed in both amount and area. In a narrow strip of the eastern counties and in the extreme northwestern portion of the Section, the amounts were above normal and ranged from 4 to over 7 inches, while in practically the entire remainder the measurements were less than 3 inches; and in an extensive area of the northern portion less than 1 inch was recorded. The greatest local monthly amount was 7.06 inches at Kingstree, Williamsburg Co.; least amount, 0.42 inch at Darlington, Darlington Co. The greatest 24-hour rainfall at any station was 3.40 inches at Smiths Mills, Georgetown Co., on the 1st.

WIND.

The prevailing winds were from the northeast. The average hourly velocity, determined from 7 anemometer records, was 7.6 miles. In the Section proper the averages were 6.1 miles per hour at Columbia and 10.2 miles per hour at Charleston. The highest velocity for any 5-minute period in the region covered by reports was 39 miles per hour from the southeast at Savannah, Ga., on the 15th, and in the Section proper, 29 miles per hour from the northeast at Charleston on the same date.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 243.2 hours, or 65% of the possible amount. The average number of clear days was 16; partly cloudy, 8, and cloudy, 6, as against normals of 15, 9, and 6 days, respectively.

RIVER CONDITIONS.

Excepting moderate rises in the Pee Dee and Wateree rivers on the 7th, generally low stages of water prevailed in the several rivers of the Section throughout the month.

MISCELLANEOUS PHENOMENA.

Fog, dense (*dates*).—Bowman, 15, 16, 17, 18, 19, 20, 27, 28, 29; Centenary, 13, 14, 18; Cheraw, 13, 18; Columbia, 13; Mayesville (near), 13, 14, 18, 29; Monetta, 13, 14, 29; Oaks, 27, 28; Rimini, 14; Santuck, 13.

Thunderstorms (*dates*).—Bowman, 5, 12, 14, 21; Charleston, 5, 12, 21; Cheraw, 20; Columbia, 4, 11, 12, 14, 19, 20; Gaston Shoals, 11, 12; Mayesville (near), 11; Monetta, 12; Summerville, 4, 14, 21.

Erratta.—June, 1915.

ANDERSON.—Rainfall on the 29th (page 45), should be 3.33.

MISCELLANEOUS DATA FOR SEPTEMBER, 1915.

Stations.	Barometer—sea level.	Temperature—degrees Fahr.			Precipitation—inches.		Wind.		Mean relative humidity		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity—miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.10	67.4	86	40	4.09	1.78	6.1	s.	92	74	65
Augusta, Ga.......	30.07	77.2	97	55	4.91	2.34	5.0	ne.	84	72	69
Charleston, S. C...	30.06	79.2	95	63	2.07	0.65	10.2	e.	81	80	71
Charlotte, N. C ...	30.09	73.2	93	48	2.37	1.23	8.7	ne.	83	65	67
Columbia, S. C....	30.07	76.8	98	53	0.96	0.54	6.1	ne.	83	66	58
Savannah, Ga.....	30.04	78.5	96	60	4.49	1.60	10.4	ne.	86	81	62
Wilmington, N. C.	30.07	76.0	96	54	2.71	0.64	6.8	ne.	87	82	66
Means and extremes......	30.07	75.5	98	40	3.09	2.34	7.6	ne.	85	74	65

Climatological Data for September, 1915.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.: Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches: Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of days: With precipit'on (0.01 in. or more)	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Eastern Portion.																				
Allendale	Barnwell	186	26	77.8	+1.7	98	11	53	23	27	2.48	−1.45	1.06	0	7	17	3	10	e.	R. B. Vance.
Beaufort	Beaufort	21	28	...	...	...	...	...	...	...	2.78	−1.69	1.50	0	4	...	...	...	...	Miss Lillian H. Rice.
Blackville	Barnwell	296	26	78.4	+2.6	102	11	52	25	35	2.79	−1.58	1.40	0	7	20	3	7	...	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	12	76.3	+1.5	98	† 10	53	23	35	2.47	−0.99	1.02	0	8	20	4	6	w.	B. O. Evans.
Centenary	Marion	43	...	77.2	...	96	11	60	2	28	2.84	...	1.05	0	6	16	6	8	ne.	D. L. Carmichael.
Charleston	Charleston	48	44	79.2	+3.0	95	10	63	23	20	2.07	−3.39	0.65	0	9	15	11	4	e.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	25	75.8	+2.5	96	11	48	23	32	2.83	−0.79	1.94	0	7	...	...	...	...	J. H. Powe.
Conway	Horry	25	29	^{e}75.4	+0.4	^{e} 95	† 9	^{e} 54	23	^{e}25	6.85	+2.00	3.00	0	6	...	...	...	...	Paul Quattlebaum.
Darlington	Darlington	175	19	76.2	+1.7	98	11	47	23	35	0.42	−3.48	0.30	0	4	16	7	7	...	D. C. McCall.
Dillon	Dillon	100	11	76.1	+1.3	95	10	50	23	35	2.78	−1.34	0.77	0	10	...	...	...	...	A. E. Rowell.
Edisto ‡‡	Bamberg	143	27	...	...	...	...	...	...	...	1.63	−2.03	1.06	0	6	...	...	...	...	Nathan Jenkins.
Effingham	Florence	106	22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	H. B. McCall.
Ferguson	Orangeburg	63	29	...	...	...	...	56	† 23	39	3.56	−0.27	1.22	0	7	...	...	...	...	Joseph P. Simons.
Florence 1	Florence	136	26	76.4	+1.6	98	11	50	23	36	1.01	−3.12	0.33	0	9	14	13	3	ne.	H. K. Gilbert.
Florence 2	Florence	136	...	...	...	...	...	...	...	...	1.16	−2.97	0.70	0	3	16	8	6	se.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	20	79.8	+3.9	98	† 10	57	23	28	5.88	+1.58	2.20	0	3	18	10	2	se.	A. P. Hazard.
Kingstree	Williamsburg	54	26	76.8	+1.6	96	11	54	23	31	7.06	+3.30	2.44	0	8	19	2	8	ne.	A. O. Matthews.
Mayesville (near)	Sumter	70	...	76.4	...	97	11	51	26	41	2.17	...	0.81	0	5	11	12	7	e.	Lewis E. Warren.
Oaks	Georgetown	...	...	^{b}75.4	...	^{b} 93	10	^{b} 53	23	^{b}44	2.20	...	1.16	0	9	15	5	10	w.	O. M. Mitchell.
Pinopolis **	Berkeley	54	21	75.9	+1.8	90	† 8	60	23	...	2.35	−2.28	1.36	0	5	12	2	16	e.	Miss E. P. Ravenel.
Rimini	Clarendon	97	5	...	...	...	...	...	...	...	3.12	...	1.17	0	6	...	...	...	...	William B. Wolfe.
St. George	Dorchester	109	26	78.1	+2.9	100	11	55	23	33	1.81	−2.25	0.95	0	9	14	11	5	w.	R. S. Weeks.
St. Matthews	Calhoun	269	26	76.9	+2.3	99	12	52	23	34	2.44	−0.90	1.10	0	4	14	10	6	sw.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	19	...	...	...	...	...	...	...	5.50	+1.46	3.40	0	8	...	...	...	...	W. G. Walker.
Society Hill	Darlington	192	23	77.0	+3.8	98	† 9	46	22	38	1.44	−2.62	0.70	0	7	10	8	2	sw.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	17	77.0	+2.0	93	9	58	23	27	2.24	−2.08	1.12	0	9	8	22	0	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	12	^{c}78.7	+1.8	^{b} 98	11	^{c} 58	24	^{c}32	2.23	−2.63	1.16	0	7	15	9	6	...	J. A. Westerberg.
Yemassee	Hampton	24	19	76.7	+1.2	95	† 9	58	23	31	2.23	−2.01	1.19	0	5	18	7	5	ne.	J. G. Hutson.
Division means and extremes		...	...	76.9	+2.1	102	11	46	22	44	2.83	−1.06	3.40	0	7	15	9	6	e.	
Western Portion.																				
Aiken	Aiken	527	20	76.4	−0.1	98	11	50	23	35	2.90	−0.37	1.00	0	5	15	13	2	ne.	W. M. Brown.
Anderson	Anderson	764	13	75.4	+2.0	97	† 10	48	23	40	2.63	−0.64	1.09	0	4	25	0	5	w.	H. H. Russell.
Batesburg	Lexington	656	26	74.1	+0.2	97	12	47	23	34	1.95	−1.94	1.22	0	4	20	1	9	se.	E. J. Hite.
Blairs	Fairfield	293	11	...	...	...	...	...	...	...	0.99	−2.09	0.52	0	2	...	...	...	...	J. N. Owens.
Calhoun Falls	Abbeville	508	22	...	...	...	...	...	...	...	1.58	−2.42	0.98	0	3	...	...	...	...	L. M. Parker.
Camden	Kershaw	222	48	77.0	...	97	† 10	51	† 23	34	0.78	−3.14	0.20	0	7	19	6	5	ne.	W. C. Brown.
Catawba	York	562	10	...	...	...	...	...	...	...	0.69	−3.11	0.27	0	5	...	...	...	...	James C. Faris.
Chappells	Newberry	402	11	...	...	...	...	...	...	...	1.21	−2.05	0.78	0	3	...	...	...	...	J. J. Murran.
Clemson College	Oconee	850	23	72.8	0.0	88	11	48	23	33	3.10	−0.91	1.22	0	4	18	5	7	w.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	28	76.8	+3.1	98	11	53	23	29	0.96	−2.49	0.54	0	6	18	7	5	ne.	U. S. Weather Bureau.
Edgefield	Edgefield	...	1	...	...	...	...	...	...	...	1.30	...	0.90	0	2	...	...	...	...	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	2	...	...	...	...	...	...	...	1.49	...	0.56	0	8	...	...	...	...	Harry A. Parshall.
Greenville	Greenville	989	22	72.5	+1.8	95	12	45	23	36	1.74	−2.46	1.10	0	7	14	11	5	s.	Spartan Goodlette.
Greenwood	Greenwood	671	26	74.8	+1.5	95	† 10	47	23	34	1.14	−1.68	0.82	0	2	21	0	9	e.	M. M. Calhoun.
Heath Spring	Lancaster	568	13	73.8	0.0	99	10	46	23	36	1.14	−2.04	0.80	0	2	6	21	3	w.	J. Marvin Bowers.
Landrum	Spartanburg	1063	...	72.2	...	93	11	45	23	44	4.24	...	1.91	0	6	23	2	5	...	R. Hartwell Wilds, D.D.S.
Liberty	Pickens	900	20	73.6	+0.7	94	10	51	† 25	40	3.69	−0.37	1.60	0	6	17	9	4	e.	John T. Boggs.
Little Mountain	Newberry	711	21	76.8	+1.8	98	12	51	23	33	1.39	−1.57	0.78	0	5	18	6	6	ne.	J. M. Sease, M. D.
Meriwether	Edgefield	...	11	75.1	+0.2	100	11	55	26	40	2.16	−0.91	0.89	0	3	10	9	11	...	William S. Middleton.
Monetta	Saluda	400	8	^{h}76.8	...	98	† 10	^{h} 57	26	^{h}35	1.35	...	0.80	0	5	13	11	6	ne.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	...	69.8	...	90	† 10	43	22	43	5.34	...	2.02	0	5	24	2	4	...	J. H. Brown.
Newberry	Newberry	502	27	76.4	+2.3	100	11	46	23	40	1.63	−2.69	1.13	0	3	5	18	7	w.	Warren G. Peterson.
Pelzer	Anderson	850	11	...	...	...	...	...	...	...	2.02	−1.19	1.20	0	3	...	...	...	...	Joshua Y. Jones.
Saluda	Saluda	536	12	76.7	+2.3	101	11	43	23	45	2.28	−2.02	1.11	0	4	23	0	7	n.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	20	75.6	+2.2	97	10	45	23	40	2.24	−1.23	1.59	0	5	16	11	3	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	23	74.0	+1.5	95	† 10	47	23	37	0.86	−2.69	0.66	0	...	...	...	...	...	F. P. Robinson.
Trenton	Edgefield	620	21	76.0	+0.7	96	† 10	50	23	32	1.78	−1.75	1.00	0	3	19	7	4	e.	Mrs. S. E. Long.
Winthrop College ‡‡	York	690	14	74.6	+1.4	94	10	45	23	37	1.86	−1.26	0.63	0	5	11	15	4	ne.	W. P. Goodman.
Division means and extremes		...	...	74.8	+1.3	101	11	43	† 22	45	1.94	−1.78	2.02	0	4	17	8	5	ne.	
State means and extremes		...	...	75.9	+1.6	102	11	43	† 22	45	2.38	−1.60	3.40	0	5	16	8	6	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb: means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.
T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for September, 1915.

Stations.	Watershed.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ||||	Savannah	.14			.27	.66										1.06	.20		.05												.10		2.48
Beaufort	Coast					.30															.26									1.50	.72		2.78
Blackville ||||	Edisto	.76				.34								.01		.20	.05	.03													1.40		2.79
Bowman	do				.22	1.02							.32		.21		.11	.08				.03									.48		2.47
Centenary	Pee Dee	T.	T.	.05	.46	.75									T.						.30		.23								1.05		2.84
Charleston ***	Coast				.44	.22							T.		T.	.24	.10			.01		.58			.02					.41	.05		2.07
Cheraw ||||	Pee Dee	.01	T.	.11		.46	.10										T.				.18	1.94									.03		2.83
Conway ||||	Waccamaw	3.00					.98						.65			.81					1.25										.16		6.85
Darlington ||||	Pee Dee			.03	.05	.30	T.																								.04		0.42
Dillon	Little Pee Dee	.01		.03	.36	.63					.09			.34	.34	T.				T.	.08	.13									.77		2.78
Edisto ||||	Edisto	.09				1.06							.03			.26	.10														.09		1.63
Effingham ||||	Lynches																																......
Ferguson ||||	Santee	1.22				.33						.85			.29					.46	.26										.15		3.56
Florence 1 ||||	Pee Dee	.04		.02	.05	.04	.08									.28					.08		.33								.09		1.01
Florence 2	do			T.	T.	.34									T.		T.					.12								T.	.70		1.16
Georgetown	Coast	2.20										T.					T.				2.03										1.65		5.88
Kingstree ||||	Black	2.44				.18	1.82						1.74	.12		.07					.60	.09											7.06
Mayesville (near)	do				.05	.76									.05						.53										.78		2.17
Oaks	do		T.	.01	.11	.25									.06	.01	.01				.54									.05	1.16		2.20
Pinopolis	Cooper			.03	.67							.26			1.36			.03															2.35
Rimini ||||	Santee	.65			.32	.85										1.05							.07								.18		3.12
St. George ||||	Edisto	.05				.95							.01			.07	.34			.01		.07	.25								.06		1.81
St. Matthews ||||	Santee	1.10				.89							.15																		.30		2.44
Smiths Mills ||||	Pee Dee	3.40			.10	.15	.25						.47			.53					.55	.05											5.50
Society Hill ||||	do	.03	.02	T.	.24											T.			.05	.23										.17	.70		1.44
Summerville	Ashley				.25	.65							.03		.04		.03	T.			T.	.10			T.				.01	.01	1.12		2.24
Walterboro	Ashepoo	.02			.08	1.16									.13	.04	T.		T.											.15	.65		2.23
Yemassee ||||	Combahee	.05				1.19										T.	.14			.35					T.		T.				.50		2.23
Western Portion.																																	
Aiken	Edisto				.50	.15														.35										1.00	.90		2.90
Anderson	Savannah				1.03	.39										.12															1.09		2.63
Batesburg ||||	Edisto				.18	1.22								T.					.44												.11		1.95
Blairs ||||	Broad					.52																									.47		0.99
Calhoun Falls ||||	Savannah					.98																.46									.14		1.58
Camden ||||	Wateree	.08			.10	.12				.20											.02	.11			T.						.15		0.78
Catawba ||||	Catawba			.15	.09	.27								.13																	.05		0.69
Chappells ||||	Saluda				.25	.53																									.43		1.21
Clemson College	Savannah				.55	1.00								.33						T.											1.22		3.10
Columbia ***	Congaree				.21	.03						T.								.07	.10				T.				T.	10	.45		0.96
Edgefield ||||	Savannah					.90						.40																					1.30
Gaston Shoals ||||	Broad	.56		.06	.14	.36						.04	.09	.07								.03									.14		1.49
Greenville ||||	Saluda	.20			.03	.10	.04								.18							.06									.13		1.74
Greenwood ||||	do					.82																									.32		1.14
Heath Spring	Wateree				.34																										.80		1.14
Landrum	Broad	.21			.84	1.05							.22	.01								T.									1.91		4.24
Liberty	Savannah	.04	T.	T.	.75	.95								.25							.10										1.60		3.69
Little Mountain	Saluda				.48	.10								.03							T.									.05	.73		1.39
Meriwether	Savannah				.87								T.		T.	T.				T.	T.									.40	.89		2.16
Monetta	Edisto				.19	.34										.91														.01	.80		1.35
Mountain Rest	Savannah				.60	1.60								.67								.45									2.02		5.34
Newberry	Saluda				.28	.22																									1.13		1.63
Pelzer ||||	do				T.	1.20	.06										T.					T.									.76		2.02
Saluda	do				.69	.35																								.13	1.11		2.28
Santuck	Broad			.02	.19	.32									.12																1.59		2.24
Spartanburg ||||	do	.04			.10	.56															.04	T.									.12		0.86
Trenton	Edisto	T.			.73							T.			T.															.05	1.00		1.78
Winthrop College	Catawba			.20	.60	.25																.18									.63		1.86

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR SEPTEMBER.

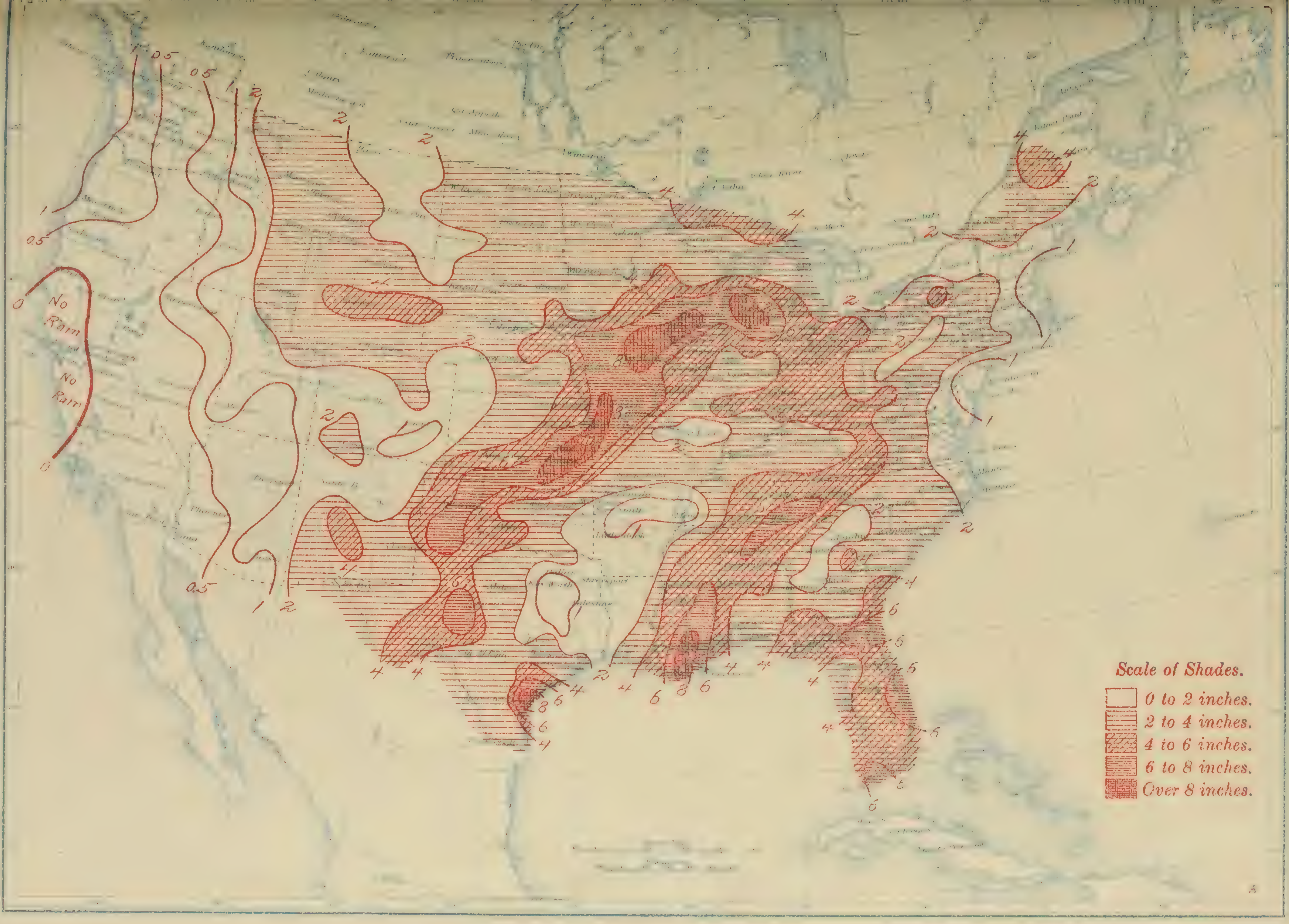
Year.	Temperature.			Precipitation.		Average number of days—			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	72.2	101	34	1.12	4				e.
1888	69.6	93	31	9.86	13				ne.-e.-s.
1889	72.1	98	40	3.34	5				se.
1890	72.9	98	49	7.84	16				ne.
1891	74.3	92	50	2.66					ne.
1892	72.5	93	40	6.41					ne.
1893	74.7	98	46	4.42	7	14	7	9	sw.
1894	75.0	100	52	6.51	12	12	10	8	ne.
1895	76.9	106	35	1.29	4	17	8	5	ne.
1896	75.0	105	39	2.94	5	17	8	5	ne.
1897	73.3	100	42	2.91	4	17	7	6	ne.
1898	76.0	96	48	4.06	7	12	10	8	ne.
1899	72.8	102	34	2.55	6	17	8	5	ne.
1900	77.1	100	45	2.83	5	19	8	3	ne.
1901	73.1	98	46	4.66	6	15	8	7	ne.
1902	72.1	98	43	3.74	8	13	9	8	ne.
Continued—									
1903	72.7	100	41	3.62	5	17	7	6	ne.
1904	75.8	101	44	2.46	4	19	7	4	ne.
1905	76.2	98	49	1.91	4	16	8	6	ne.
1906	78.0	98	55	4.85	9	10	12	8	ne.
1907	76.0	99	45	5.91	9	13	11	6	w.
1908	72.4	94	40	2.86	4	15	9	6	ne.
1909	72.0	98	39	3.74	7	13	9	8	ne.
1910	75.8	103	46	3.10	7	15	12	3	ne.
1911	78.9	100	50	3.33	8	13	13	4	sw.
1912	77.7	109	47	5.91	11	10	7	13	e.
1913	71.7	99	40	4.66	9	14	7	9	ne.
1914	71.3	101	43	3.63	7	14	9	7	ne.
1915	75.9	102	43	2.38	5	16	8	6	ne.
Period	74.3	109	31	3.98	7	15	9	6	ne.

Daily Temperatures for September, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	76	81	72	87	88	90	93	94	96	97	98	95	94	90	88	88	90	91	92	94	92	76	79	84	84	91	93	91	81	80	....	88.2
	Minimum	66	60	62	64	72	66	67	69	67	68	71	72	74	71	70	73	70	70	70	69	73	64	53	58	61	64	66	66	70	72	....	67.3
Beaufort	Maximum	82	....	....	....	92	87	92	92	91	92	92	....	....	....	....	....	91	....	....	....	....	69	....	....	....	....	....	88	80	83	....	....
	Minimum	62	....	....	....	67	69	71	72	74	70	72	....	....	....	....	....	75	....	....	60	....	60	....	....	....	....	....	74	70	71	....	....
Blackville §§	Maximum	81	84	75	90	88	92	96	98	99	101	102	101	97	93	93	95	93	96	95	98	94	79	83	83	92	93	97	93	80	77	....	91.3
	Minimum	66	58	62	63	71	65	66	65	66	67	72	69	70	72	68	72	69	68	70	69	73	60	53	57	52	58	60	66	71	68	....	65.5
Bowman	Maximum	76	74	80	82	89	90	92	93	95	98	98	93	95	93	92	94	94	92	92	93	90	78	70	78	85	91	94	88	80	75	....	87.8
	Minimum	60	62	63	63	64	64	65	66	68	69	70	66	65	66	67	65	67	68	69	65	65	60	53	60	56	61	69	74	68	66	....	64.8
Centenary	Maximum	76	76	80	84	87	90	92	91	95	95	96	92	93	88	89	89	89	92	90	88	92	81	77	81	80	88	90	79	81	74	....	86.5
	Minimum	66	60	61	72	73	67	66	67	68	69	71	69	71	69	69	70	69	67	70	70	73	67	67	68	67	65	68	67	68	63	....	67.9
Charleston	Maximum	80	80	79	83	87	90	90	92	92	95	95	86	88	86	86	85	84	86	90	89	92	78	78	78	79	81	89	86	78	79	....	85.4
	Minimum	69	64	66	74	76	72	74	74	75	76	76	76	80	78	75	79	76	78	75	75	72	66	63	69	68	70	70	73	74	74	....	72.9
Cheraw §§	Maximum	79	80	80	87	88	89	91	92	94	95	96	93	92	99	92	91	92	92	94	91	88	72	77	79	83	88	92	76	80	75	....	86.9
	Minimum	63	58	59	72	73	68	66	67	68	70	72	69	72	68	67	70	67	69	70	70	70	56	48	57	54	56	64	58	64	59	....	64.8
Conway §§	Maximum	68	....	82	82	....	89	91	92	95	92	95	90	91	81	88	81	....	91	91	87	87	70	77	....	81	81	....	74	74	71	....	[c] 84.0
	Minimum	66	61	63	72	72	70	67	68	70	71	72	70	72	71	63	70	70	69	70	68	71	61	54	61	57	62	66	65	67	64	....	66.8
Darlington §§	Maximum	80	82	78	87	88	89	92	94	96	97	98	94	93	89	91	92	93	92	93	93	90	76	80	80	86	90	95	78	84	80	....	88.3
	Minimum	64	58	60	63	73	66	66	65	67	69	70	68	71	67	67	68	67	67	70	69	72	58	47	60	54	55	65	60	60	60	....	64.2
Dillon	Maximum	77	75	82	84	85	88	90	92	93	95	94	93	92	88	90	89	91	91	91	89	89	86	76	76	83	89	92	79	82	71	....	86.4
	Minimum	65	60	61	72	68	69	66	67	68	70	69	69	69	69	68	69	69	67	71	72	73	59	50	61	55	57	69	59	67	66	....	65.8
Ferguson §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	69	61	61	64	72	66	66	67	68	68	69	72	72	63	63	70	71	69	70	73	72	64	56	56	56	60	64	69	62	62	....	65.8
Florence 1 §§	Maximum	79	78	76	81	88	91	90	94	94	95	98	95	93	89	93	95	95	92	92	90	85	78	81	78	85	94	93	79	81	76	....	87.6
	Minimum	66	58	60	62	64	67	66	68	70	70	72	70	74	70	69	70	70	68	71	70	70	58	50	53	57	58	67	62	62	61	....	65.1
Georgetown	Maximum	86	82	81	91	93	94	93	96	92	98	98	93	93	92	91	97	92	94	93	91	90	....	79	81	86	89	92	90	80	83	....	[a] 90.0
	Minimum	67	62	64	70	76	76	78	70	70	74	74	73	74	72	71	73	71	70	68	70	72	63	57	64	62	65	72	70	68	71	....	69.6
Kingstree §§	Maximum	79	79	81	84	90	89	93	94	95	95	96	92	94	90	90	90	90	91	92	92	90	67	78	80	84	90	92	78	82	77	....	87.1
	Minimum	67	60	61	62	74	67	66	67	68	70	71	70	73	71	70	71	70	69	70	70	71	61	54	59	57	59	63	67	67	66	....	66.4
Mayesville (near)	Maximum	79	80	82	86	91	90	92	94	94	95	97	93	94	88	90	91	90	92	92	92	91	79	77	77	83	85	92	85	85	85	....	88.0
	Minimum	66	59	60	67	74	65	64	66	67	62	69	71	71	67	69	70	67	67	67	70	72	60	52	61	55	51	62	64	65	63	....	64.8
Oaks	Maximum	76	78	80	85	88	87	91	93	90	93	....	90	....	91	89	89	89	90	91	89	89	76	76	78	82	89	89	81	80	73	....	[b] 85.4
	Minimum	66	61	62	70	67	67	65	66	68	70	....	70	....	70	69	70	69	69	67	68	70	60	53	61	55	60	64	65	65	64	....	[b] 65.4
St. George §§	Maximum	87	82	75	90	90	92	95	96	98	99	100	97	97	91	92	90	91	93	95	96	93	70	78	84	85	91	95	94	81	80	....	89.9
	Minimum	66	60	63	62	74	67	65	66	66	66	70	72	72	71	69	71	69	73	68	69	70	61	55	56	60	61	66	65	66	71	....	66.3
St. Matthews §§	Maximum	76	80	74	85	88	91	92	94	96	98	98	99	94	86	89	90	90	91	96	96	95	74	77	76	82	92	97	80	81	78	....	87.8
	Minimum	67	60	63	64	73	67	67	68	68	68	69	71	72	70	68	67	68	67	68	70	69	60	52	63	57	58	71	64	65	65	....	66.0
Society Hill §§	Maximum	78	84	87	91	89	92	95	96	98	98	93	93	94	92	91	91	93	96	91	89	84	78	79	84	90	95	83	84	77	87	....	89.1
	Minimum	58	62	66	70	72	73	72	73	74	77	79	76	67	67	68	67	66	69	68	71	52	46	50	54	54	64	58	59	58	59	....	65.0
Summerville	Maximum	77	78	76	87	86	89	90	91	93	92	92	91	90	89	89	88	88	89	88	89	89	76	75	79	81	86	88	87	80	75	....	85.6
	Minimum	67	61	64	68	74	68	69	69	69	70	72	72	72	72	72	72	71	70	69	70	72	63	58	65	61	66	67	68	71	72	....	68.5
Walterboro	Maximum	78	82	78	92	90	....	93	95	96	67	98	95	95	94	91	91	92	91	93	94	92	73	....	85	86	81	90	92	81	79	....	[b] 89.4
	Minimum	69	60	69	67	73	65	66	67	67	66	76	73	73	72	70	72	69	69	67	70	....	63	....	58	....	63	65	65	71	72	....	[c] 68.0
Yemassee §§	Maximum	78	82	76	90	88	90	93	94	95	95	95	92	92	91	90	89	91	90	90	90	91	74	79	83	85	89	91	90	78	82	....	87.8
	Minimum	66	59	65	70	70	62	64	66	66	64	65	68	69	70	68	70	68	67	66	70	69	63	58	64	61	60	62	63	66	70	....	65.6
Western Portion.																																	
Aiken	Maximum	83	80	76	86	83	88	92	93	95	97	98	95	93	91	90	90	91	91	93	94	88	81	76	77	84	89	92	90	82	73	....	87.7
	Minimum	63	57	60	65	70	64	65	65	62	70	70	70	71	70	68	70	68	68	67	70	70	57	50	61	59	61	64	66	68	64	....	65.1
Anderson	Maximum	77	78	72	80	76	88	91	92	95	97	97	96	95	93	90	88	92	93	95	95	91	75	73	83	85	90	95	95	82	70	....	87.1
	Minimum	60	58	63	67	69	63	64	62	66	69	69	70	70	69	68	68	67	68	68	67	69	54	48	56	55	55	62	62	65	56	....	63.6
Batesburg §§	Maximum	85	79	71	83	81	87	90	92	92	95	95	97	91	90	89	90	92	89	92	93	88	75	77	79	83	89	92	85	83	83	....	86.9
	Minimum	63	56	60	63	65	63	61	60	61	63	66	65	68	68	64	68	65	64	65	67	66	54	47	51	53	57	64	59	57	57	....	61.3
Camden §§	Maximum	78	80	77	85	86	91	91	94	95	97	97	94	94	92	91	91	92	92	96	94	90	74	78	80	83	90	95	81	84	86	....	88.3
	Minimum	66	61	62	62	63	75	65	65	66	68	68	70	76	70	71	71	70	67	67	72	72	70	51	51	56	57	61	63	63	62	....	65.7
Clemson College	Maximum	75	76	74	84	76	81	82	84	85	87	88	87	86	86	85	84	84	85	84	85	83	31	80	80	77	79	83	83	80	80	....	82.1
	Minimum	64	57	62	69	70	64	64	63	65	66	72	70	71	68	72	69	67	62	68	66	70	52	48	49	51	53	59	65	67	58	....	63.4
Columbia	Maximum	77	80	72	85	86	89	92	93	95	98	98	94	91	90	90	89	92	91	93	90	90	74	76	77	83	88	92	80	82	72	....	86.6
	Minimum	65	59	62	66	73	68	68	70	70	71	74	72	74	71	69	72	70	70	71	72	72	59	53	63	59	59	68	63	69	62	....	67.1
Greenville §§	Maximum	75	78	71	81	72	86	88	89	90	92	94	95	89	91	92	90	89	88	87	86	87	76	76	78	82	86	90	82	81	70	....	84.4
	Minimum	58	55	56	56	64	63	64	62	63	64	68	69	70	67	68	69	65	66	65	64	66	52	45	49	50	50	54	58	60	58	....	60.6
Greenwood §§	Maximum	77	78	72	82	78	86	89	90	92	95	95	93	92	89	90	91	89	91	93	95	89	74	75	80	83	88	93	86	83	75	....	86.1
	Minimum	63	57	58	62	69	64	65	75	68	68	70	70	71	68	68	68	66	67	69	68	69	56	47	48	54	54	61	60	60	60	....	63.4
Heath Spring	Maximum	76	80	79	73	76	79	88	92	94	99	92	93	88	88	88	88	89	92	95	93	91	82	72	75	80	85	84	76	81	60	....	84.3
	Minimum	63	55	58	60	61	63	65	67	69	70	73	68	69	67	67	69	68	68	68	67	72	60	46	57	56	58	58	57	64	58	....	63.4
Landrum	Maximum	76	76	72	76	79	85	88	89	91	91	93	91	89	89	87	86	89	90	87	90	89	71	71	80	80	86	93	82	78	68	....	83.7
	Minimum	56	55	60	66	65	62	64	64	63	68	70	67	68	65	66	65	62	63	63	64	68	47	45	48	49	49	61	60	61	60	....	60.8
Liberty	Maximum	76	76	76	77	75	86	88	89	91	94	93	93	91	88	92	88	88	91	88	81	73	74	73	80	82	86	91	83	84	81	....	84.3
	Minimum	60	56	64	64	71	63	64	62	64	68	68	70	70	68	70	69	67	67	66	66	53	53	58	52	51	51	62	63	66	57	....	62.8
Little Mountain	Maximum	79	79	74	82	84	88	90	93	84	96	96	98	92	91	92	90	91	92	94	93	90	81	76	79	84	89	92	84	84	73	....	87.0
	Minimum	63	57	60	69	72	67	68	70	73	73	75	72	72	72	72	71	71	70	69	72	73	57	51	58	57	60	67	63	65	61	....	66.7
Meriwether	Maximum	80	82	87	87	81	91	93	95	97	99	100	98	94	91	91	92	92	94	95	96	92	80	78	83	86	91	95	94	82	74	....	86.3
	Minimum	64	57	60	62	62	64	63	63	63	66	69	69	69	68	66	70	66	65	67	68	70	59	57	58	57	55	64	63	68	64	....	63.9
Monetta	Maximum	77	78	79	86	84	89	93	95	95	98	98	95	96	92	92	93	91	94	94	95	90	82	77	78	84	89	92	86	82	73	....	88.2
	Minimum	63	58	61	66	69	65	65	66	66	69	70	71	71	71	72	70	....	....	....	....	....	....	....	....	59	57	63	62	66	61	....	[b] 65.5
Mountain Rest	Maximum	74	77	74	72	76	83	85	86	88	90	90	88	86	85	83	82	85	85	84	85	86	70	68	74	76	82	88	80	80	71	....	81.1
	Minimum	61	54	54	55	64	58	61	59	59	65	59	67	64	65	64	64	63	60	61	60	65	43	55	49	49	49	57	59	64	57	....	58.5
Newberry	Maximum	79	80	75	85	85	90	93	95	96	99	100	95	92	92	92	92	93	94	95	95	93	84	76	83	84	81	94	85	85	71	....	88.4
	Minimum	64	57	61	75	72	65	64	64	65	66	70	71	70	68	67	70	68	67	68	68	73	57	46	55	55	54	62	61	68	61	....	64.4
Saluda	Maximum	80	83	75	85	85	92	93	96	98	100	101	98	93	95	94	93	94	95	98	99	93	81	80	84	89	94	97	89	85	74	....	90.4
	Minimum	63	57	61	66	72	65	65	70	61	65	68	67	69	66	65	65	64	63	68	68	72	57	43	57	52	49	62	61	68	62	....	63.0
Santuck	Maximum	78	79	73	83	85	89	92	94	94	97	97	96	93	92	90	91	93	93	95	94	90	78	76	81	84	89	93	81	83	71	....	87.5
	Minimum	62	56	60	68	73	66	65	66	67	66	71	69	69	70	68	67	67	67	69	67	72	54	45	55	52	53	62	58	65	59	....	63.6
Spartanburg §§	Maximum	77	77	71	80	85	88	89	91	93	95	95	94	94	92	91	90	92	93	91	92	87	71	74	81	84	87	93	82	83	72	....	86.1
	Minimum	57	57	59	61	70	65	66	64	65	68	70	70	70	67	68	67	65	65	69	65	67	52	47	48	51	50	58	57	58	57	....	61.8
Trenton	Maximum	77	79	73	83	81	86	89	90	92	96	94	96	93	90	90	91	92	92	92	92	81	77	78	80	87	89	90	89	81	74	....	86.5
	Minimum	70	61	61	66	72	66	61	69	68	70	70	70	70	69	70	71	68	67	67	70	71	51	50	58	58	58	66	64	68	63	....	65.4
Winthrop College	Maximum	74	87	72	80	85	88	90	90	92	94	87	88	92	88	89	91	92	92	85	93	87	80	73	80	83	86	92	84	78	69	....	85.4
	Minimum	67	54	58	68	73	68	66	68	67	68	70	68	70	69	68	68	68	68	68	66	72	54	45	54	52	55	62	52	67	57	....	63.7

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
No Rain
No Rain

Stack

[illegible]
DEC 15 1915

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

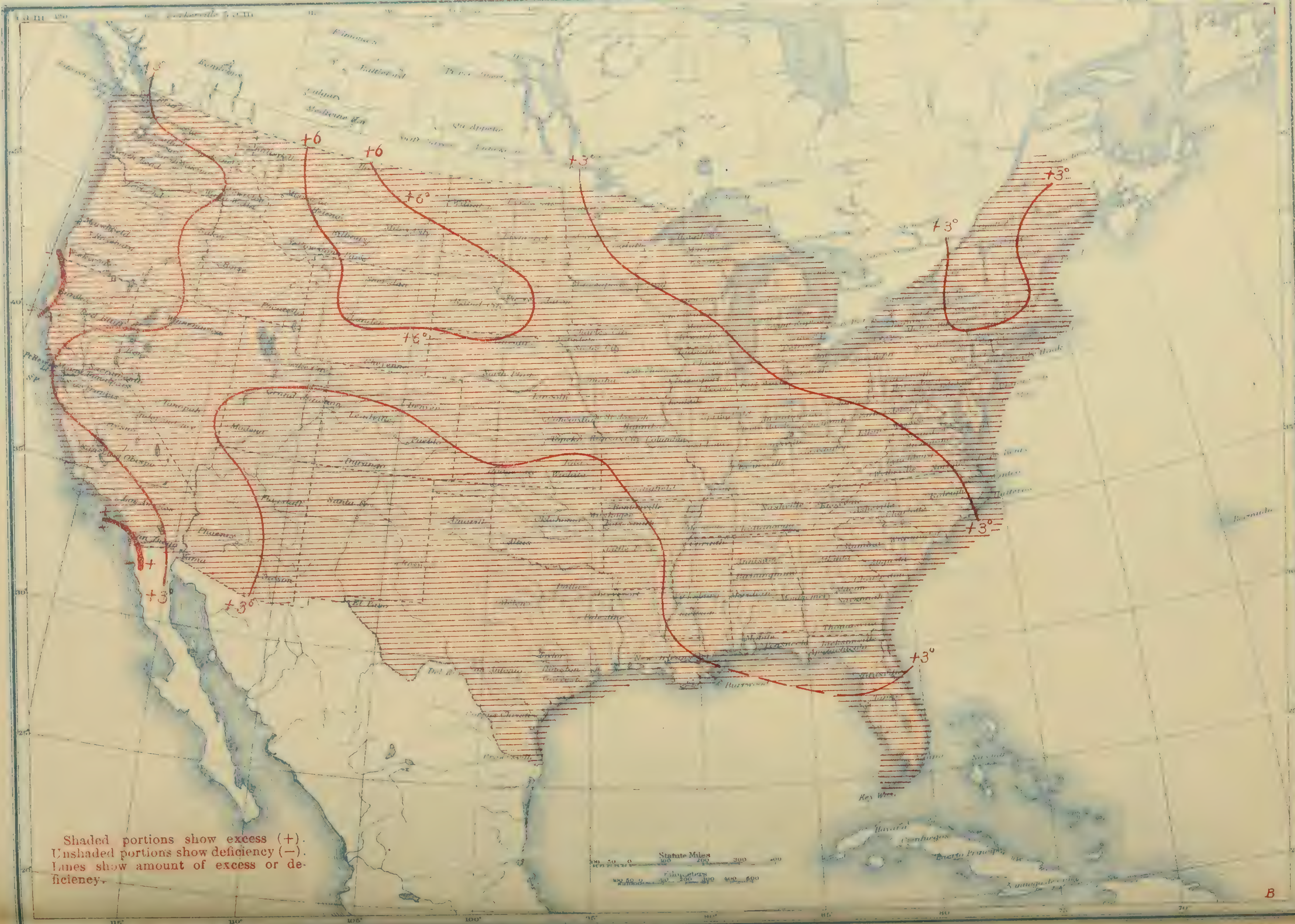
SOUTH CAROLINA SECTION

OCTOBER, 1915

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
December 6, 1915.

Departure of the Mean Temperature from the Normal, October, 1915.



Shaded portions show excess (+). Unshaded portions show deficiency (−). Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

Vol. XVIII. Columbia, S. C., October, 1915. No. 10.

GENERAL SUMMARY.

October, 1915, was marked by unusually mild, open weather, with abundant moisture generally and but few damaging frosts. Extended periods of sunshine, with warm nights, were especially favorable for the development of late cotton, and picking proceeded with comparatively little interruption. Moderately heavy rains in the Catawba watershed between the 5th and 7th were followed by a freshet in the Wateree and Santee rivers from the 8th to the 14th. Timely rains during three periods materially improved late field truck, pastures and the soil for fall seeding. Good crops of hay and other forage were secured during the month.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.11 inches. The highest pressure in the region covered by reports was 30.48 inches at Asheville, N. C., on the 11th, and in the Section proper, 30.42 inches at Columbia on the same date; lowest, 29.68 inches at Asheville and Charlotte, N. C., on the 1st, and in the Section proper, 29.73 inches at Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 43 stations, was 67.0°, or 3.8° above the established normal. But two previous Octobers were warmer. The highest temperature was 93° at St. George, Dorchester Co., on the 3d, and at Florence No. 1, Florence Co., on the 14th. The warmest periods of the month were from the 1st to the 4th and between the 14th and 17th. The lowest temperature was 27° at Mountain Rest, Oconee Co., on the 10th. The coolest period of the month was between the 9th and 11th, when light to killing frosts occurred in the higher elevations. However, the killing frosts were confined to the regions about Greenville, Landrum and Mountain Rest, in the upper parts of Greenville, Spartanburg and Oconee counties.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 85%; 8 p. m., 74%. The highest average percentages occurred over the lower Savannah drainage area and southern coast districts, and the lowest, over the northern interior.

PRECIPITATION.

The average for the Section, 56 stations reporting, was 4.95 inches, or 1.75 inches above the established normal. There were three distinct rainy periods, namely, 1st, 4th to 8th and 19th to 23d, while scattered showers occurred between the 13th and 17th. The unequal distribution as to amount continued; large areas of the southern coastal plain and the northwestern counties received 5 to over 9 inches, and an extensive portion of the northern interior, less than 4 inches, while over the extreme eastern counties the measurements were less than 3 inches. The greatest local monthly amount was 9.38 inches at Mountain Rest, Oconee Co.; least amount, 2.54 inches at Centenary, Marion Co. The greatest 24-hour rainfall at any station was 3.34 inches at Trenton, Edgefield Co., on the 20th. The rainy days averaged 14% above normal.

WIND.

The prevailing winds were from the northeast. The average hourly velocity, determined from 7 anemometer records, was 7.5 miles. In the section proper the averages were 5.5 miles per hour at Columbia and 10.1 miles per hour at Charleston. The highest velocity for any 5-minute period in the region covered by reports was 40 miles per hour from the west at Savannah, Ga., on the 5th, and in the Section proper, 30 miles per hour from the southwest at Charleston on the 1st.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 225.4 hours, or 64% of the possible amount. The average number of clear days was 18; partly cloudy, 7, and cloudy, 6, as against normals of 17, 7 and 7 days, respectively.

RIVER CONDITIONS.

On account of moderate rains over the Catawba watershed between the 5th and 7th and the wet condition of the soil, a freshet occurred in the Wateree River at Camden on the 8th, with a crest of 24.0 feet, and in the Santee River between the 8th and 14th, with crest stages of 12.9 feet at Rimini on the 9th and 10th and 12.6 feet at Ferguson on the 12th and 13th. Conservative estimates place the losses at $530, while movable property, practically all of which was live stock, valued at $22,200, was saved by timely flood warnings. There were no dangerous rises in the remaining rivers of the Section throughout the month.

MISCELLANEOUS PHENOMENA.

Fog, dense (*dates*).—Beaufort, 14, 23; Charleston, 3; Cheraw, 18, 27; Little Mountain, 17; Mayesville (near), 4, 27; Monetta, 14, 17.

Frosts (*dates*).—*Light:* Anderson, 9; Allendale, 9, 10; Bowman, 10, 31; Camden, 9; Cheraw, 10, 11; Centenary, 10, 11; Clemson College, 11; Gaston Shoals, 9, 10, 11; Liberty, 9, 10, 11, 31; Little Mountain, 10, 11; Meriwether, 10; Newberry, 9, 10, 11, 30; Pelzer, 9, 10, 11; Santuck, 9, 10; Spartanburg, 9, 31; Trenton, 10. *Heavy:* Society Hill, 9; Spartanburg, 10, 11. *Killing:* Greenville, 10; Landrum, 10; Mountain Rest, 10.

Thunderstorms (*dates*).—Bowman, 21, 23; Charleston, 5, 22; Columbia, 5; Monetta, 22; Summerville, 5, 6, 22.

Erratta.—August, 1915.

Anderson. Mean temperature (page 60), should be 77.2.
Edisto. Total precipitation (pages 60 and 61), should be 7.23.
Mountain Rest.—Greatest precipitation in 24 hours (page 60), should be 0.85.
Rimini. Total precipitation (pages 60 and 61), should be 7.43.

MISCELLANEOUS DATA FOR OCTOBER, 1915.

Stations.	Barometer—sea level.	Temperature—degrees Fahr.			Precipitation—inches.		Wind.		Mean relative humidity		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity—miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.15	58.4	80	36	3.33	1.48	6.5	nw.	91	71	55
Augusta, Ga.......	30.11	68.4	87	42	6.42	3.83	4.6	ne.	88	78	71
Charleston, S. C...	30.08	70.8	86	46	4.27	1.23	10.1	ne.	82	78	71
Charlotte, N. C...	30.12	64.4	83	37	2.97	1.21	8.6	ne.	82	67	60
Columbia, S. C....	30.11	68.2	86	41	3.88	1.73	5.5	ne.	84	67	62
Savannah, Ga....	30.08	71.0	89	43	3.32	1.39	10.7	ne.	87	80	58
Wilmington, N. C.	30.11	67.4	84	40	1.53	0.71	6.6	ne.	84	78	72
Means and extremes.....	30.11	66.9	89	36	3.67	3.83	7.5	ne.	85	74	64

Climatological Data for October, 1915.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on (0.01 in. or more)	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	26	68.8	+4.0	89	† 1	41	10	34	5.08	+2.68	1.40	0	9	17	7	7	e.	R. B. Vance.
Beaufort	Beaufort	21	28	[a]70.6	+3.3	[a] 89	5	[a] 43	10	[a]35	4.96	+1.62	2.32	0	6	15	8	8	ne.	Miss Lillian H. Rice.
Blackville	Barnwell	296	26	69.2	+4.6	91	† 3	37	10	42	6.72	+3.71	1.30	0	11	19	2	10		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	12	67.6	+3.4	90	3	37	10	43	5.55	+2.80	2.32	0	7	20	6	5	w.	B. O. Evans.
Centenary	Marion	43		68.6		89	4	46	24	32	2.54		0.61	0	9	18	7	6	se.	D. L. Carmichael.
Charleston	Charleston	48	44	70.8	+3.7	86	1	46	10	20	4.27	+0.34	1.23	0	10	13	13	5	ne.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	25	[b]66.4	+4.9	86	† 1	34	10	36	5.23	+2.38	1.44	0	10					J. H. Powe.
Conway	Horry	25	29	[c]68.2	+4.2	89	† 6	[c] 38	10	[c]39	3.81	+0.31	2.27	0	6					Paul Quattlebaum.
Darlington	Darlington	175	19	67.4	+4.0	88	† 3	36	10	39	5.02	+2.08	1.46	0	9	22	2	7		D. C. McCall.
Dillon	Dillon	100	11	[a]67.8	+4.0	[a] 89	26	[a] 38	11	[a]42	3.90	+0.13	1.53	0	9					A. E. Rowell.
Edisto ‡‡	Bamberg	143	27								6.28	+3.91	1.75	0	10					Nathan Jenkins.
Effingham	Florence	106	22								6.56	+3.51	1.60	0	8					H. B. McCall.
Ferguson	Orangeburg	63	29	70.8	+7.5	86	† 8	44	11	40	3.27	+0.29	1.08	0	7					Joseph P. Simons.
Florence 1	Florence	136	26	67.8	+4.4	93	14	38	10	38	6.40	+3.28	2.90	0	8	20	4	7	ne.	H. K. Gilbert.
Florence 2	Florence	136									4.29	+1.17	1.50	0	8	14	13	4	se.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	20	70.4	+4.9	88	† 1	41	10	35	2.87	−0.74	0.52	0	9	13	17	1	n.	A. P. Hazard.
Kingstree	Williamsburg	54	26	68.3	+3.7	89	† 1	40	10	34	4.51	+1.69	1.00	0	7	18	5	8	nw.	A. O. Matthews.
Mayesville (near)	Sumter	70		[b]68.0		89	† 3	[b] 44	9	[b]38	4.64		1.24	0	10	13	12	6	e.	Lewis E. Warren.
Oaks	Georgetown							40	10		4.49		1.45	0	12	18	7	6	nw.	O. M. Mitchell.
Pinopolis **	Berkeley	54	21	67.4	+3 3	86	5	42	10		6.32	+3.17	1.04	0	11	18	5	8	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	5								4.76		1.47	0	8					William B. Wolfe.
St. George	Dorchester	109	26	69.4	+5.0	93	3	42	10	35	6.45	+4.09	2.44	0	10	16	8	7	w.	R. S. Weeks.
St. Matthews	Calhoun	269	26	68.0	+4.2	90	3	38	10	35	4.22	+1.55	1.15	0	8	17	7	7	s.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	19								4.20	+0.59	1.60	0	10					W. G. Walker.
Society Hill	Darlington	192	23	65.9	+4.2	88	14	34	9	38	4.68	+1.55	2.22	0	7	19	10	2	n.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	17	68.6	+3.7	87	16	40	10	35	6.10	+2.16	2.63	0	9	6	24	1	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	12	[c]70.7	+4.2	[d] 90	3	[c] 39	10	[c]33	5.37	+2.11	1.24	0	9	11	14	6		J. A. Westerberg.
Yemassee	Hampton	24	19	68.5	+3.8	90	3	38	10	38	4.84	+1.90	1.27	0	8	18	5	8	n.	J. G. Hutson.
Division means and extremes				68.8	+4.4	93	† 3	34	† 9	43	4.58	+1.94	2.90	0	9	16	9		nw.	
Western Portion.																				
Aiken	Aiken	527	20	[b]67.0	+1.5	[b] 87	15	[b] 38	10	[b]38	6.29	+3.46	2.25	0	9	16	8	7	ne.	W. M. Brown.
Anderson	Anderson	764	13	65.2	+3.1	86	† 2	36	10	39	3.65	+0.81	0.92	0	11	16	0	15	e.	H. H. Russell.
Batesburg	Lexington	656	26	65.4	+2.4	87	17	33	10	37	4.98	+1.73	1.91	0	8	19	2	10	w.	E. J. Hite.
Blairs	Fairfield	293	11								4.51	+1.89	1.75	0	7					J. N. Owens.
Calhoun Falls	Abbeville	508	22								3.68	+0.83	1.78	0	6					L. M. Parker.
Camden	Kershaw	222	48	69.0		88	2	40	10	38	4.31	+1.32	1.74	0	9	20	6	5	ne.	W. C. Brown.
Catawba	York	562	10								3.78	+0.08	1.20	0	8					James C. Faris.
Chappells	Newberry	402	11								4.72	+2.06	1.34	0	6					J. J. Murran.
Clemson College	Oconee	850	23	63.8	+2.5	80	16	35	11	35	6.17	+3.06	1.80	0	11	13	6	12	s.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	28	68.2	+4.2	86	3	41	10	28	3.88	+1.03	1.73	0	10	17	4	10	ne.	U. S. Weather Bureau.
Edgefield	Edgefield		1								4.78		1.50	0	6					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	2								5.13		2.40	0	8					Harry A. Parshall.
Greenville	Greenville	989	22	[c]63.2	+2.8	[c] 86	2	32	10	[c]41	5.82	+2.86	2.30	0	8	15	6	10	ne.	Spartan Goodlette.
Greenwood	Greenwood	671	26	64.8	+2.8	84	16	36	10	38	4.77	+1.95	1.47	0	7	20	0	11	e.	M. M. Calhoun.
Heath Spring	Lancaster	568	13	64.4	+2.9	85	4	36	10	39	3.15	+0.52	0.95	0	7	12	12	7	w.	J. Marvin Bowers.
Landrum	Spartanburg	1063		63.4		85	16	32	† 10	43	7.67		2.74	0	11	15	7	9		R. Hartwell Wilds, D.D.S.
Liberty	Pickens	900	20	64.4	+3.6	85	16	35	† 10	42	6.11	+2.35	1.80	0	11	14	10	7	s.	John T. Boggs.
Little Mountain	Newberry	711	21	[b]67.8	+3.7	[b] 85	3	[b] 37	11	[b]40	4.40	+1.39	2.50	0	6	21	4	6	w.	J. M. Sease, M. D.
Meriwether	Edgefield		11	67.8	+4.4	89	2	37	10	38	5.40	+3.05	1.80	0	8	17	3	11		William S. Middleton.
Monetta	Saluda	400	8	67.4		86	† 3	40	10	37	4.52		1.70	0	8	13	11	7	ne.	Joseph M. Johnson.
Mountain Rest	Oconee	1380		62.5		83	2	27	10	41	9.38		2.40	0	8	18	5	8		J. H. Brown.
Newberry	Newberry	502	27	66.2	+3.7	86	16	37	10	41	3.77	+0.95	1.36	0	8	13	8	10	ne.	Warren G. Peterson.
Pelzer	Anderson	850	11								5.20	+1.89	1.88	0	9					Joshua Y. Jones.
Saluda	Saluda	536	12	66.4	+3.6	90	† 2	33	11	39	3.81	+0.77	2.11	0	7	19	2	10	n.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	20	65.2	+3.7	84	† 2	35	10	42	3.22	−0.03	0.90	0	9	16	6	9	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	23	64.0	+3.0	86	† 16	33	10	39	5.86	+3.09	2.35	0	7					F. P. Robinson.
Trenton	Edgefield	620	21	67.5	+3.1	87	† 15	39	10	39	6.19	+3.61	3.34	0	8	19	5	7	se.	Mrs. S. E. Long.
Winthrop College ‡‡	York	690	14	64.4	+2.5	85	16	35	10	42	5.32	+3.20	2.00	0	7	15	11	5	ne.	W. P. Goodman.
Division means and extremes				65.6	+3.1	90	† 2	27	10	43	5.02	+1.82	3.34	0	8	16	6	9	ne.	
State means and extremes				67.0	+3.8	93	† 3	27	10	43	4.95	+1.75	3.34	0	8	18	7	6	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for October, 1915.

Stations.	Watershed.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ⦀	Savannah	.15				1.20	.05	.41	.90												.10	.52	.35	1.40									5.08
Beaufort	Coast	T.				2.22	.25	.33													.05	1.51	.60				T.						4.96
Blackville ⦀	Edisto	.49				1.18	.20	1.30	.80					.03	.20						.10	.80	.15	1.47									6.72
Bowman	do	.09					.15	2.00													.72	.09	.18	2.32									5.55
Centenary	Pee Dee	.06			.21	.61		.57	.26					.05							.30	.33	.15										2.54
Charleston ***	Coast	.13			T.	1.17	.41	1.20					.01	.02		T.					.02	.36	.89					.06					4.27
Cheraw ⦀	Pee Dee	.71	.06			1.15	.35	1.44	1.07						.05							.33	.01	.06									5.23
Conway ⦀	Waccamaw	2.27	.17			.20			.32													.63	.22	T.									3.81
Darlington ⦀	Pee Dee	.64	.03			1.02	.34	.80	1.46						T.							.68	.03	.02									5.02
Dillon	Little Pee Dee	T.			.08	.37	.48	1.53	.22					T.	.06							.93	.15	.08									3.90
Edisto ⦀	Edisto	1.07				1.02	.12	.43	1.32						.10	.05						1.19	.28	.70									6.28
Effingham ⦀	Lynches	.95				1.60	.92	.27	.74													.95	.90	.23									6.56
Ferguson ⦀	Santee	.60				.47		.05	1.08													.43	.30	.34									3.27
Florence 1 ⦀	Pee Dee	.69	T.			.71	.30	.33	1.35													2.90	.08	.04									6.40
Florence 2	do				.20	.60	.30	1.50	.13												.70	.70	.16										4.29
Georgetown	Coast	.25				.45		.52	.35					.15							.25	.40	.48	.02									2.87
Kingstree ⦀	Black	1.00				.75		.08	.90													1.00	.60	.18									4.51
Mayesville (near)	do	.05			.03	.93	.68	1.24	.21					.13	T.			T.			.80	.13	.44										4.64
Oaks	do	.38			T.	.46	.70	.33	.30					.01	.08					.02	.50	.25	1.45	.01									4.49
Pinopolis	Cooper	.86			.65	.45	.10	.24	.87					.10	1.04						.84	.15	1.02										6.32
Rimini ⦀	Santee		.35			1.47	.10	.70	1.26												.37	.33	.18										4.76
St. George ⦀	Edisto	.47	.03			.53	.02	.04	.94					.10	.02							1.96	.09	2.35									6.45
St. Matthews ⦀	Santee	.63	.05			.71	.13	.80	1.15													.60	.15										4.22
Smiths Mills ⦀	Pee Dee	1.60	.15			.36	.08	.04	.52						.05		.08					.25		1.07									4.20
Society Hill ⦀	do	.13			.70	.31	2.22	.97						T.							.33		.02										4.68
Summerville	Ashley	T.				.70	.60	.54	.71					.05		T.					.45	.26	.16	2.63				T.					6.10
Walterboro	Ashepoo	T.				1.13	.18	1.01					.02	.01	T.						1.24	0.52	1.04	.22									5.37
Yemassee ⦀	Combahee	.78				.55	.15		.90							.14						.82	.23	1.27									4.84
Western Portion.																																	
Aiken	Edisto	.15				1.94	.30	1.00						.15						.20	2.25	.20		.10									6.29
Anderson	Savannah	.38			.13	.75	.19	.14							.87	.05				.82	.12	.13	.07										3.65
Batesburg ⦀	Edisto	.93				.70	.44	.59	.12						T.						1.91	.18	.11	T									4.98
Blairs ⦀	Broad	.96	.08			.42	.45	.50	.05												1.75		.30										4.51
Calhoun Falls ⦀	Savannah	1.78				.71	.83	.14	.11													.11											3.68
Camden ⦀	Wateree	.36	.10			.46	.54	.88	.17				T.								1.00	.74	.06										4.31
Catawba ⦀	Catawba	1.20				.66	.41	.26	.18												.74	.24		.09									3.78
Chappells ⦀	Saluda	1.34				1.12	.60	.39													1.05	.22											4.72
Clemson College	Savannah	.51			.11	1.80	.20	.35						.07	1.67	.18				1.07	.18	T.	.03										6.17
Columbia ***	Congaree	.06			.03	.76	.19	1.64						.01						.09	.58	.14	.38										3.88
Edgefield ⦀	Savannah	1.50				.48	1.15	.30	.10												.95	.30											4.78
Gaston Shoals ⦀	Broad	2.40				1.38	.12	.14	.02						T.	.18					.75	.14		T.									5.13
Greenville ⦀	Saluda	1.82				2.30		.20								.51	.03	.01			.53	.42	T.										5.82
Greenwood ⦀	do	1.47				1.32	.50	.23	.08												.74	.43											4.77
Heath Spring	Wateree	.05			.95		.45	.55													.75	.31	.09										3.15
Landrum	Broad	1.76			.30	2.74	.30	.12							.78		.14	.02	T.	1.20	.26	.05											7.67
Liberty	Savannah	.60			.25	1.55	.35	.20						T.	1.80	.30	T.	.10		.34	.60	.02	T.										6.11
Little Mountain	Saluda	.25					.25	1.06												.14	2.50	.20											4.40
Meriwether	Savannah	.28			T.	1.07	.60	.40						T.						1.04	1.80	.14	.07										5.40
Monetta	Edisto	.05				1.70	.35	.62							.04					.19	1.46	.11	T.										4.52
Mountain Rest	Savannah	1.95			.70	1.26	.60	.07							2.21				T.	2.40	.19												9.38
Newberry	Saluda	.25			.02	.45	.82	.35												.41	1.36	.11											3.77
Pelzer ⦀	do	1.88				1.32	.16	.10	.04						1.06	T.					.50	.10	.04										5.20
Saluda	do	.15				.53	.34	.32											.13	2.11	.23												3.81
Santuck	Broad	.33			.27	.30	.28	.27							T.					.90	.76	.10	.01										3.22
Spartanburg ⦀	do	2.35	T.			1.90	.10	T.	T.						T.	.22		.05			1.04	.20											5.86
Trenton	Edisto	.25			T.	1.48	.37	.45	.05					.12						T.	3.34	.13											6.19
Winthrop College	Catawba	1.10			2.10	.36	.33	.45													.86		.12										5.32

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ⦀ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

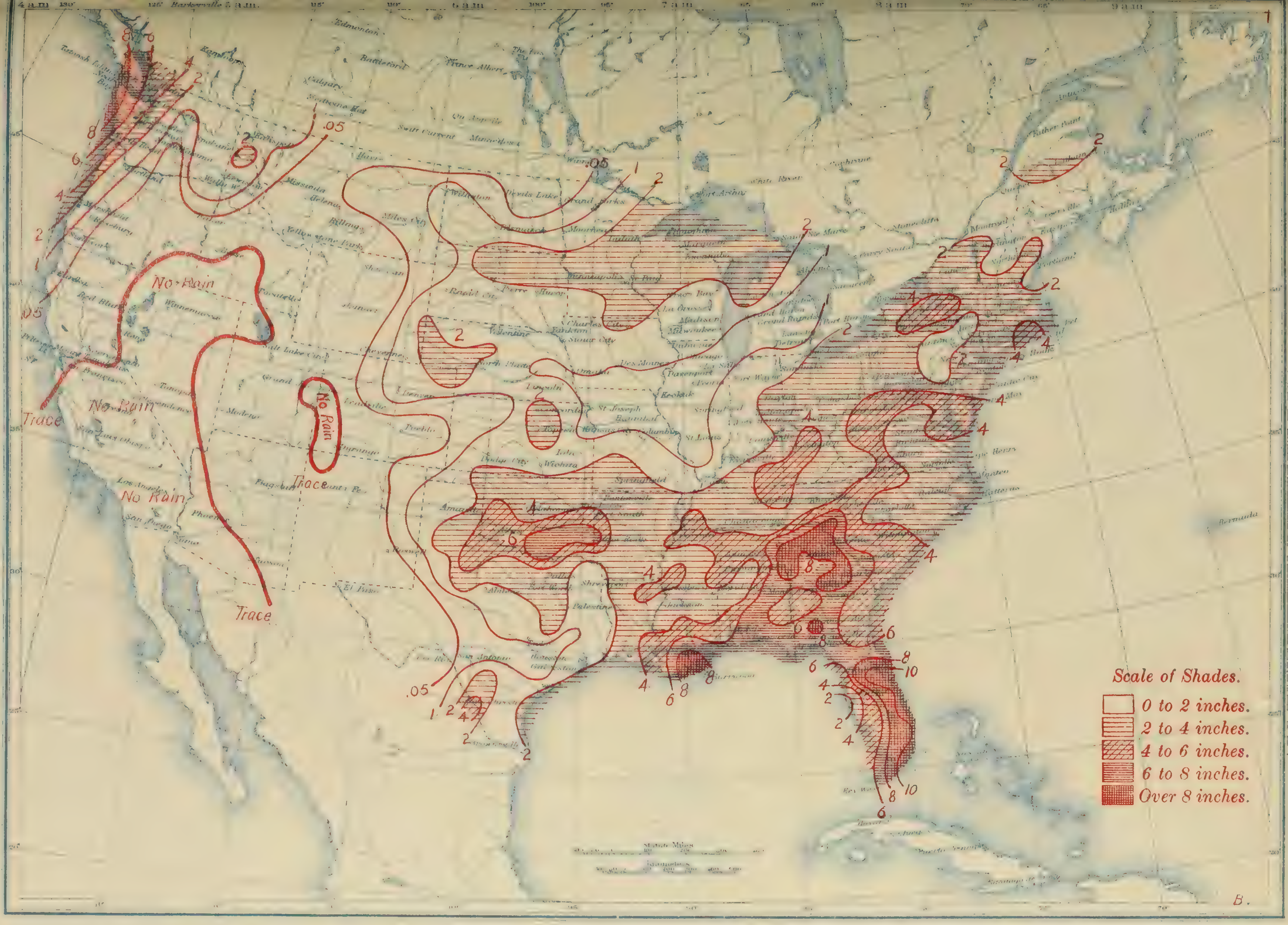
COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature.			Precipitation.		Average number of days			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	61.4	91	30	5.96	8				n.
1888	59.3	88	31	4.18	7				sw.
1889	60.8	88	27	1.65	3				n.
1890	63.0	90	22	4.06					
1891	60.2	92	28	1.63					nw.
1892	63.8	89	27	0.60					ne.
1893	64.4	90	25	4.92	5	18	7	6	ne.
1894	64.2	98	33	4.95	5	20	6	5	ne.
1895	61.3	95	28	1.15	3	20	7	4	ne.
1896	61.3	91	28	1.41	1	15	8	8	ne
1897	65.8	96	35	3.23	5	14	8	9	ne.
1898	62.9	90	28	3.82	9	14	8	9	ne.
1899	64.2	91	34	5.00	6	14	7	10	ne.
1900	67.6	95	33	3.65	9	13	7	11	ne.
1901	62.4	92	29	0.89	3	22	6	3	ne.
1902	63.2	95	30	4.40	7	19	5	7	ne.
Continued									
1903	62.0	93	25	2.63	5	18	6	7	n.
1904	62.4	98	26	1.10	3	23	5	3	ne.
1905	64.2	93	29	1.97	6	15	6	10	ne.
1906	61.9	90	24	3.69	7	14	6	11	ne.
1907	61.2	91	28	0.73	3	19	7	5	ne.
1908	62.0	89	35	4.22	6	19	6	6	ne.
1909	61.2	96	27	2.43	5	23	5	3	ne.
1910	66.5	100	22	4.39	6	20	7	4	ne.
1911	67.5	99	37	5.89	8	12	9	10	ne
1912	65.0	94	32	2.21	5	18	4	9	ne.
1913	62.5	95	28	3.56	6	19	6	6	ne
1914	64.7	92	26	3.44	8	13	7	11	ne.
1915	67.0	93	27	4.95	8	18	7	6	ne.
Period	63.2	100	22	3.20	7	17	7	7	ne.

Daily Temperatures for October, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	89	84	89	85	87	83	68	75	65	62	72	79	83	85	86	86	83	82	83	72	73	79	76	80	82	78	80	80	81	79	74	79.4
	Minimum	72	64	61	61	66	65	62	61	49	41	44	45	56	62	66	66	64	61	62	62	66	65	59	50	51	53	56	53	51	51	49	58.2
Beaufort	Maximum	86	84	86	84	89	83	72	70	68	71	78	80	83	83	....	82	80	80	83	79	76	78	72	78	78	77	76	76	78	75	74	a 78.6
	Minimum	79	69	65	69	68	69	67	63	51	43	61	64	68	67	....	68	65	63	66	67	67	67	59	54	56	60	61	58	54	56	55	a 62.6
Blackville §§	Maximum	89	90	91	84	86	79	64	77	68	66	75	82	83	90	90	91	90	86	84	73	73	79	84	83	85	81	84	85	86	83	84	82.1
	Minimum	68	62	60	59	68	68	59	54	44	37	40	49	58	62	60	64	61	60	59	62	65	66	54	50	49	54	55	52	50	51	42	56.2
Bowman	Maximum	80	85	90	85	83	82	70	68	60	60	60	80	81	82	85	86	84	85	80	80	79	75	78	80	80	79	80	81	82	80	81	78.7
	Minimum	65	60	56	65	68	66	65	60	46	37	39	51	57	58	59	60	60	65	66	68	69	68	56	47	48	50	51	50	52	49	38	56.4
Centenary	Maximum	84	81	84	89	84	80	69	72	66	58	70	82	85	87	85	81	76	79	79	84	75	78	72	75	75	77	78	78	80	72	73	77.7
	Minimum	67	64	57	67	69	68	61	60	48	....	48	60	62	71	65	62	65	57	56	61	66	67	53	46	50	51	67	58	54	58	50	a 59.6
Charleston	Maximum	86	85	83	84	85	84	72	74	64	60	72	77	78	80	82	82	75	77	80	78	73	79	74	76	77	76	78	79	79	77	73	77.4
	Minimum	75	69	69	74	69	71	67	63	52	46	53	63	67	69	69	70	67	65	68	69	68	64	61	58	61	68	66	61	59	59	53	64.3
Cheraw §§	Maximum	86	84	85	85	84	....	....	70	60	62	72	80	79	86	85	86	78	80	81	76	78	73	74	78	79	79	81	79	82	74	73	b 78.3
	Minimum	62	61	54	63	68	69	57	56	42	34	36	46	54	64	64	62	62	56	56	65	65	67	48	46	48	50	53	48	46	50	38	54.5
Conway §§	Maximum	....	....	....	....	....	89	81	72	65	65	75	80	80	83	86	86	89	79	81	82	75	78	76	78	77	76	82	81	80	78	74	e 78.8
	Minimum	66	65	60	65	70	71	65	61	46	38	43	55	60	65	66	63	63	59	57	61	66	68	54	49	52	52	58	54	48	41	41	57.5
Darlington §§	Maximum	87	86	88	88	83	78	62	75	67	64	73	82	81	87	88	88	81	82	83	77	75	78	79	79	78	80	83	82	82	78	74	79.6
	Minimum	60	63	55	65	67	69	62	57	44	36	38	49	54	64	64	61	62	58	55	63	64	66	50	46	48	51	56	49	45	49	39	55.1
Dillon	Maximum	87	84	88	86	85	78	65	72	62	...	73	80	77	88	85	84	77	79	83	79	73	73	74	74	78	89	81	79	80	75	63	a 78.7
	Minimum	67	64	57	67	69	62	60	59	47	....	38	49	58	65	65	63	59	59	56	62	66	63	62	47	50	54	54	50	45	49	41	a 56.9
Ferguson §§	Maximum	80	82	83	82	83	83	66	86	77	75	84	86	82	85	85	82	82	80	83	84	80	78	75	79	80	78	79	80	78	77	75	80.3
	Minimum	67	66	66	72	67	67	64	61	54	46	44	54	54	60	67	69	61	61	63	64	65	63	55	53	53	65	66	67	65	63	57	61 3
Florence 1 §§	Maximum	88	88	91	88	86	76	64	74	64	56	74	84	80	93	88	87	82	83	82	72	75	75	75	79	81	80	85	85	85	76	76	79.7
	Minimum	61	64	57	62	69	69	60	58	46	38	39	46	53	61	66	64	61	59	58	59	65	65	52	49	51	52	54	52	47	49	43	55.8
Georgetown	Maximum	88	88	88	88	87	88	76	76	66	65	76	83	84	88	85	86	79	80	80	82	85	78	80	78	80	80	83	83	83	81	75	81.3
	Minimum	71	67	62	67	73	71	67	61	48	41	47	60	64	66	68	70	66	59	62	64	68	64	59	57	54	52	62	54	50	54	44	60.4
Kingstree §§	Maximum	89	85	89	89	88	87	68	74	64	64	73	77	75	83	81	86	74	82	84	82	75	78	75	79	80	76	81	81	81	72	75	79.0
	Minimum	65	64	59	68	69	71	63	59	49	40	43	45	59	60	69	64	65	59	68	63	65	66	55	49	50	52	55	53	47	49	43	57 6
Mayesville (near)	Maximum	88	85	89	89	85	83	71	79	70	62	71	81	80	86	86	85	76	80	84	78	76	77	76	80	81	80	80	81	82	78	79	79.9
	Minimum	66	61	51	62	62	63	59	61	44	....	....	49	57	64	65	61	60	51	57	63	64	66	54	47	47	51	53	50	46	48	44	b 56.1
Oaks	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	81	81	81	81	79	74	......
	Minimum	68	69	58	65	68	64	64	....	47	40	41	54	59	64	65	63	62	....	55	60	65	67	....	49	59	61	57	52	46	48	42	c 57.2
St. George §§	Maximum	88	88	93	86	88	85	67	75	65	63	73	84	82	83	88	87	82	84	86	81	76	80	76	80	83	78	81	81	84	79	80	80.8
	Minimum	69	64	59	64	67	68	62	60	52	42	45	49	58	65	66	66	64	61	60	62	66	67	58	50	51	53	55	54	49	51	45	58.1
St. Matthews §§	Maximum	87	87	90	87	85	82	74	74	64	61	69	79	81	84	84	85	75	81	84	72	74	78	76	80	81	80	80	81	85	79	75	79.2
	Minimum	65	63	59	61	67	70	58	59	46	38	40	46	57	62	65	64	62	57	58	60	65	65	66	49	51	57	56	55	50	52	42	56 9
Society Hill §§	Maximum	87	86	87	85	71	75	80	66	66	71	82	84	86	88	79	81	82	83	76	75	77	79	80	80	83	83	77	78	74	75	82	79.3
	Minimum	61	50	65	67	68	57	56	42	34	37	47	48	63	63	60	63	56	53	56	60	58	48	47	45	49	53	47	43	47	38	46	52.5
Summerville	Maximum	86	82	85	83	84	83	71	71	65	60	71	79	79	83	84	87	84	79	80	77	75	79	72	74	76	76	76	76	75	75	72	77 4
	Minimum	74	66	61	67	69	69	64	61	49	40	44	57	63	67	67	65	66	61	62	64	64	68	59	52	52	57	61	56	50	53	44	59.7
Walterboro	Maximum	89	87	90	87	91	87	76	...	67	64	....	82	82	88	88	88	84	84	85	76	75	82	77	80	82	....	81	82	....	83	79	d 82.1
	Minimum	76	65	59	65	69	69	....	....	49	39	42	....	62	67	67	66	64	61	61	65	66	65	59	49	....	50	59	58	....	48	42	e 59.3
Yemassee §§	Maximum	88	87	90	87	88	87	69	74	67	64	74	81	82	86	87	85	84	83	85	75	74	83	77	80	82	79	80	81	82	80	78	80.6
	Minimum	72	63	57	63	63	65	64	61	48	38	40	44	56	60	65	64	62	58	60	61	64	65	60	49	49	50	57	51	48	50	40	56.4
Western Portion.																																	
Aiken	Maximum	83	85	86	80	84	74	70	73	65	61	70	80	82	....	87	86	80	80	80	72	71	76	75	81	82	78	....	80	64	77	71	b 77.0
	Minimum	68	61	60	65	67	66	58	55	41	38	42	53	59	....	65	64	62	59	59	60	62	65	55	51	55	56	....	55	53	55	48	b 57.1
Anderson	Maximum	80	86	86	75	70	72	64	74	63	62	66	74	77	72	79	80	86	79	70	70	73	69	78	80	81	78	80	80	83	83	76	75.7
	Minimum	57	58	56	62	60	61	54	54	39	36	40	48	56	63	62	63	60	61	61	62	61	61	52	51	51	54	54	55	49	52	44	54.7
Batesburg §§	Maximum	83	84	85	82	80	72	63	72	70	62	70	78	79	84	86	86	87	82	80	73	76	75	70	81	82	78	79	80	79	80	75	77.8
	Minimum	64	59	61	64	65	63	54	47	38	33	36	41	46	52	57	59	60	58	57	60	60	62	50	45	55	54	49	53	50	48	46	53.1
Camden §§	Maximum	88	86	87	87	85	84	77	72	70	70	73	79	80	85	87	87	79	71	84	73	74	77	77	77	80	80	80	81	80	77	74	79.4
	Minimum	75	62	56	57	58	69	67	58	57	40	41	41	59	59	61	64	64	59	59	61	66	65	52	52	60	61	....	....	....	....	....	e 58.6
Clemson College	Maximum	76	77	76	77	75	75	67	68	67	65	65	70	73	73	75	80	79	76	72	68	74	71	72	72	73	72	74	72	74	74	72	72.7
	Minimum	57	59	58	55	67	65	58	54	37	36	35	46	56	65	64	65	62	65	60	63	64	66	67	49	49	51	45	51	47	46	39	54.9
Columbia	Maximum	85	85	86	83	82	76	63	72	61	61	69	78	80	83	86	85	79	81	80	72	75	76	76	78	80	78	78	80	80	77	73	77.4
	Minimum	69	65	61	62	69	60	59	58	47	41	44	55	62	66	68	66	65	61	62	66	66	62	56	52	54	59	57	56	52	55	49	58.8
Greenville §§	Maximum	79	86	83	76	78	66	64	71	64	66	70	75	80	66	79	80	78	84	72	73	70	....	....	....	77	74	80	76	79	78	73	c 74.9
	Minimum	55	56	53	56	60	64	54	47	36	32	33	34	44	55	60	64	64	65	60	61	61	64	48	45	49	50	51	48	46	45	37	51.5
Greenwood §§	Maximum	77	82	83	79	78	71	62	72	61	61	67	76	78	79	82	84	79	79	75	69	72	74	75	77	79	76	80	79	81	77	72	75.4
	Minimum	60	60	59	62	53	66	56	54	39	36	37	38	48	56	62	63	62	61	60	62	63	63	52	52	50	50	55	52	52	52	41	54.1
Heath Spring	Maximum	68	71	83	85	80	73	64	71	63	60	75	75	75	79	84	84	73	76	76	75	71	69	72	75	75	78	79	79	81	75	71	74.7
	Minimum	57	56	56	56	66	63	56	55	46	36	37	37	54	64	62	62	62	58	60	56	56	56	50	51	49	54	56	56	51	52	43	54.0
Landrum	Maximum	82	83	81	76	79	68	66	69	61	61	67	75	77	70	84	85	73	74	66	70	75	68	78	80	75	76	78	76	82	78	71	74.3
	Minimum	60	59	55	55	64	59	54	49	40	32	32	40	56	62	60	60	61	63	58	61	61	61	47	50	41	49	52	46	47	56	36	52.5
Liberty	Maximum	81	83	82	75	78	75	67	67	63	63	66	77	79	71	82	85	80	78	72	69	74	74	78	76	75	71	77	76	78	75	71	74.8
	Minimum	57	53	55	61	65	62	56	55	36	35	35	46	58	65	64	64	65	65	62	60	63	66	52	47	49	51	51	50	46	44	38	54.1
Little Mountain	Maximum	80	83	85	82	81	73	68	70	....	....	68	77	78	81	84	84	81	78	78	71	70	75	74	77	78	76	77	77	79	74	71	b 76.9
	Minimum	64	62	61	65	68	66	56	55	....	....	37	49	58	66	65	65	64	60	61	64	65	65	54	53	53	60	57	55	56	53	45	b 58.7
Meriwether	Maximum	84	89	88	80	82	81	80	75	71	64	72	82	82	86	86	88	83	83	82	73	76	76	77	82	84	79	81	81	83	77	76	80.1
	Minimum	70	61	56	62	62	61	59	55	41	37	38	49	58	66	64	63	62	60	59	64	63	63	54	47	51	53	52	51	50	51	39	55.5
Monetta	Maximum	84	85	86	83	80	72	68	72	67	61	69	78	80	82	86	86	82	84	81	73	72	75	74	79	81	78	80	80	81	76	76	77.8
	Minimum	65	61	58	63	67	65	56	55	43	40	41	52	58	65	65	64	62	60	59	64	63	65	54	49	55	54	55	56	53	55	45	57.0
Mountain Rest	Maximum	79	83	79	71	75	73	68	75	74	60	63	69	70	69	79	82	78	74	65	72	79	78	77	77	75	70	49	74	76	76	68	73.8
	Minimum	55	53	52	58	62	59	55	52	34	27	35	43	56	60	62	62	59	62	56	60	60	57	45	44	47	49	43	48	47	48	36	51.2
Newberry	Maximum	81	85	85	84	82	74	66	72	64	61	68	79	80	83	85	86	82	81	79	72	73	76	76	80	80	80	80	80	82	78	72	77.6
	Minimum	64	60	56	54	54	66	57	55	42	37	38	49	56	66	64	62	61	60	59	64	64	66	50	47	50	52	53	56	50	47	38	54.7
Saluda	Maximum	82	90	88	81	75	75	69	75	66	65	72	80	81	80	89	90	89	81	74	72	79	80	81	83	80	82	81	83	78	77	76	79.5
	Minimum	66	59	61	59	68	66	57	54	39	38	33	45	52	65	59	57	57	55	64	70	64	51	45	48	52	51	50	47	44	45	34	53.4
Santuck	Maximum	79	84	84	84	81	73	62	71	62	60	68	78	80	82	84	84	77	80	77	72	73	71	75	77	76	77	78	76	79	76	71	75.8
	Minimum	60	68	55	58	67	60	56	53	40	35	36	45	53	64	63	63	61	59	59	66	64	62	50	47	48	52	53	51	49	52	39	54.5
Spartanburg §§	Maximum	82	83	83	80	80	65	62	69	61	62	68	77	79	77	85	86	86	77	71	70	77	69	77	80	76	77	78	78	82	77	72	75.7
	Minimum	55	59	56	57	60	63	53	50	36	33	35	38	47	56	63	63	62	62	58	60	63	64	50	48	49	51	52	49	47	47	37	52.4
Trenton	Maximum	80	81	82	80	79	71	69	72	63	63	71	79	81	82	87	87	87	81	80	72	71	75	78	80	79	75	76	82	79	79	74	77.3
	Minimum	67	62	62	65	69	66	60	55	42	39	40	57	59	59	66	64	62	60	61	64	63	61	54	51	55	56	56	56	56	56	46	57.7
Winthrop College	Maximum	81	76	75	83	82	74	59	68	61	59	69	79	74	84	84	85	76	79	78	71	77	69	71	79	77	76	77	77	80	73	72	75.0
	Minimum	60	60	63	58	62	58	55	56	39	35	37	43	53	63	65	63	62	56	59	64	64	59	50	46	49	54	54	49	43	52	41	53.9

Reference letters (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.
§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
No Rain
No Rain
No Rain
No Rain
Trace
Trace
Trace
.05
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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

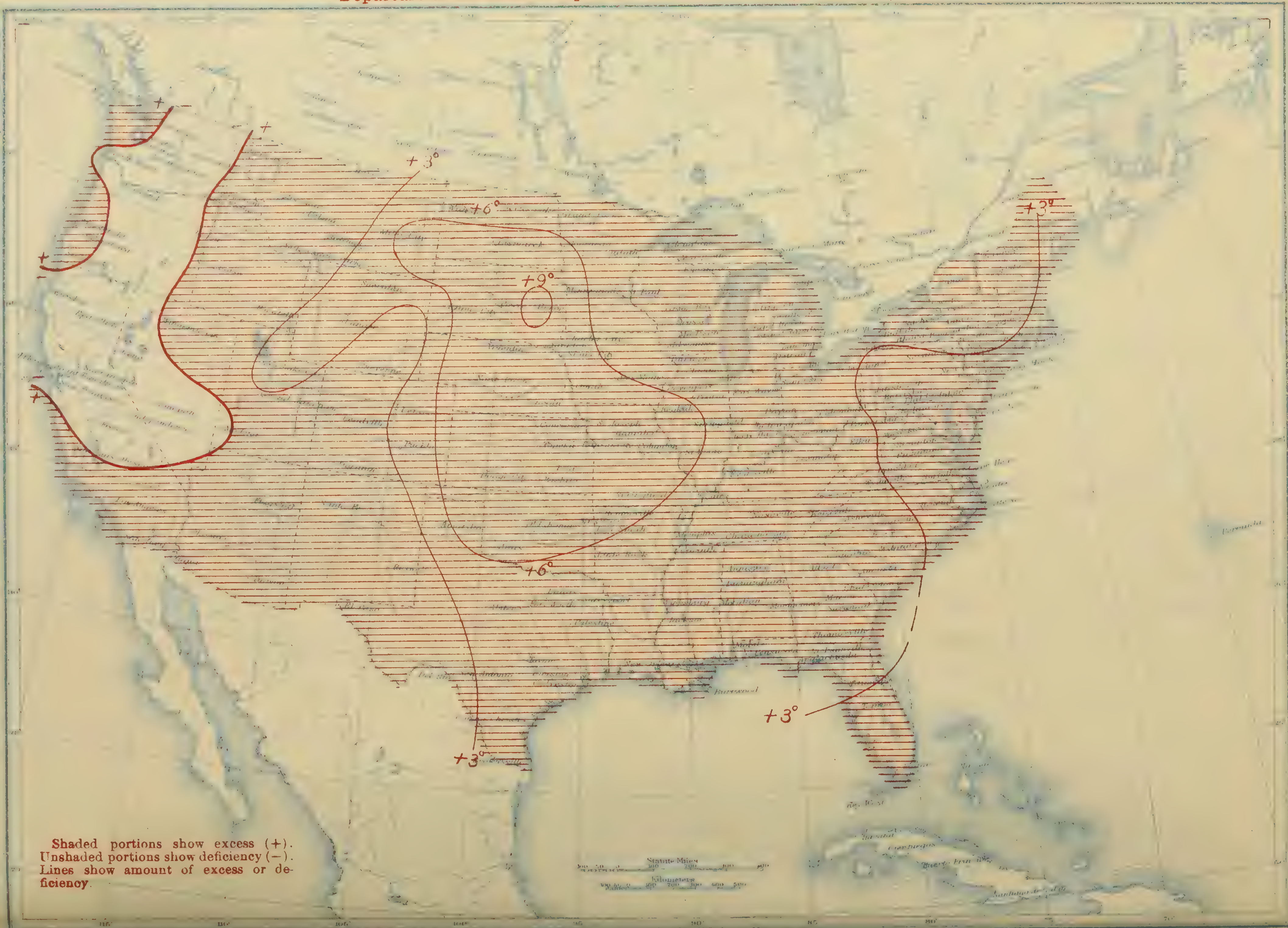
SOUTH CAROLINA SECTION

NOVEMBER, 1915

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
December 30, 1915.

Departure of the Mean Temperature from the Normal, November, 1915.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN. Section Director.

Vol. XVIII. Columbia, S. C., November, 1915. No. 11.

GENERAL SUMMARY.

Excepting a cold, wet period between the 13th and 19th, the month of November was unusually mild and open, with abundant sunshine and seasonable, fairly distributed rains. The first general killing frosts of the autumn occurred on the 16th and 17th. Conditions were generally favorable for housing late crops and preparing the soil for small grain and truck. Cotton picking continued throughout the month. Sweet potato digging showed good results.

An unusual storm, with many of the characteristics of a moderate hurricane, visited the Section on the 18th; the barometer fell 0.9 inch in eleven and one-half hours, followed by a sharp rise, and wind velocities ranged between 38 and 62 miles per hour, but there was a singular absence of great material damage. (See graph below).

The storm was attended by heavy rains on the higher elevations, which caused a moderate freshet in the lower Wateree and Santee rivers between the 20th and 28th.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.13 inches. The highest pressure in the region covered by reports was 30.42 inches at Charlotte, N. C., on the 11th and at Wilmington, N. C., on the 17th, and in the Section proper, 30.39 inches at Columbia on the 25th; lowest, 29.37 inches at Columbia on the 18th.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 42 stations, was 56.3°, or 2.5° above the established normal. The highest temperature was 88° at Blackville, Barnwell Co., on the 9th. The warmest periods of the month were on the 1st and 2d and between the 9th and 12th. The lowest temperature was 24° at six stations as follows: Batesburg, 17th; Centenary, 30th; Greenville, 30th; Landrum, 30th; Society Hill, 16th and 29th, and Winthrop College, Rock Hill, 30th. The coldest periods of the month were on the 16th and 17th and 29th and 30th. General killing frosts occurred in practically the entire Section on the two former dates.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 75%; 8 p. m., 64%. The highest average percentages occurred over the Savannah drainage area, and the lowest, over the northern interior.

PRECIPITATION.

The average for the Section, 56 stations reporting, was 2.36 inches, or 0.02 inch above the established normal. There were three rainy periods, viz.: 13th to 16th, 18th and 19th and 26th and 27th; the bulk of the month's rainfall occurred, however, between the 13th and 19th. Precipitation was fairly distributed as to amount. On the central coastal plain, in the western portion of the lower Piedmont and in upper Spartanburg and Oconee counties, the measurements ranged from 3 to over 4 inches; in an irregular belt extending from the southern coast northward over the Pee Dee drainage area and the lower Catawba watershed the amounts were less than 2 inches ranging downward to 0.65 inch in Calhoun Co. The greatest local monthly amount was 4.74 inches at Mountain Rest, Oconee Co.; least amount, 0.65 inch at St. Matthews, Calhoun Co. The greatest 24-hour rainfall at any station was 3.21 inches at Batesburg on the 18th. The number of rainy days averaged 20% below normal.

Snow flurries occurred at Liberty, Pickens Co., on the 19th, and the mountains were white with snow on the 20th and 28th.

WIND.

The prevailing winds were from the west. The average hourly velocity, determined from 7 anemometer records, was 9.4 miles. In the Section proper the averages were 7.4 miles per hour at Columbia and 10.8 miles per hour at Charleston. The highest velocity for any 5-minute period in the region covered by reports was 62 miles per hour from the southeast at Savannah, Ga., on the 18th, and in the Section proper, 54 miles per hour from the southeast at Charleston on the same date.

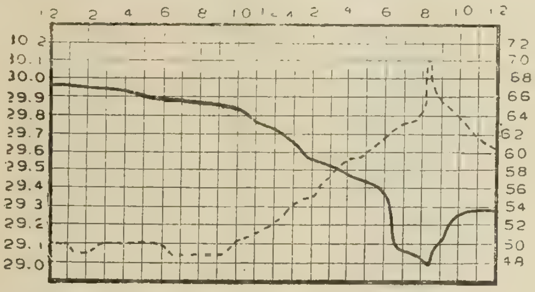
SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 234.2 hours, or 75% of the possible amount. The average number of clear days was 22; partly cloudy, 4, and cloudy, 4, as against normals of 16, 7 and 7 days, respectively.

RIVER CONDITIONS.

Heavy rains over the upper reaches incident to the storm of the 18-19th were followed by a moderate freshet in the lower Wateree and Santee rivers between the 20th and 28th. At Camden the Wateree River reached 20 feet on the 20th; at Rimini the Santee River was in flood between the 21st and 26th, with a crest of 13.2 feet on the 23d, and at Ferguson, flood stages occurred between the 23d and 28th, with a crest of 12.9 on the 26th. Unavoidable losses have been estimated at $837, while movable property valued at $50,500 was reported as having been saved at the instance of flood warnings. No dangerous rises occurred in the remaining rivers of the Section during the month.

GRAPH OF PRESSURE AND TEMPERATURE AT COLUMBIA, S. C., DURING THE STORM OF NOVEMBER 18, 1915.



Pressure, heavy line; temperature, dotted line.

Errata—October, 1915.

Columbia—Monthly mean temperature (page 76), should be 68.1.

MISCELLANEOUS DATA FOR NOVEMBER, 1915.

Stations.	Barometer—sea level.	Temperature—degrees Fahr.			Precipitation—inches.		Wind.		Mean relative humidity		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity—miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C.	30.12	48.5	74	24	2.20	1.11	9.8	nw.	75	59	66
Augusta, Ga.	30.13	57.4	81	32	2.70	2.22	5.8	nw.	83	71	78
Charleston, S. C.	30.12	61.4	83	35	1.65	1.49	10.8	ne.	75	72	79
Charlotte, N. C.	30.16	53.3	78	29	1.96	0.99	11.5	sw.	73	58	74
Columbia, S. C.	30.13	57.2	82	31	1.90	1.74	7.4	sw.	76	56	76
Savannah, Ga.	30.12	62.4	84	35	1.58	1.43	12.7	ne.	78	67	73
Wilmington, N. C.	30.13	56.8	81	31	0.99	0.79	7.5	ne.	75	67	80
Means and extremes	30.13	56.7	84	24	1.85	2.22	9.1	ne.	75	64	75

Climatological Data for November, 1915.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of days. With precipit'on (0.01 in. or more)	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Eastern Portion.																				
Allendale	Barnwell	186	26	57.0	+1.9	84	† 2	26	30	38	2.17	+0.43	2.07	0	2	13	2	15	e.	R. B. Vance.
Beaufort	Beaufort	21	28	^{a}61.0	+2.4	80	† 1	35	30	33	2.30	−0.01	2.24	0	4	21	6	3	nw.	Miss Lillian H. Rice.
Blackville	Barnwell	296	26	59.3	+3.8	88	9	28	† 16	45	1.73	−0.34	1.40	0	3	23	4	2	......	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	12	57.0	+2.9	82	† 2	25	17	47	1.88	−0.09	1.07	0	5	26	1	3	w.	B. O. Evans.
Centenary	Marion	43	....	56.7	......	82	2	24	30	43	2.40	......	1.82	0	6	22	5	3	sw.	D. L. Carmichael.
Charleston	Charleston	48	44	61.4	+3.3	83	12	35	30	25	1.65	−1.22	1.49	0	2	20	6	4	ne.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	25	55.6	+3.5	82	† 2	28	16	37	1.55	−0.64	1.06	0	5	....	....	....	......	J. H. Powe.
Conway	Horry	25	29	56.8	+2.7	81	† 1	28	30	40	2.13	−0.15	2.07	0	2	....	....	....	......	Paul Quattlebaum.
Darlington	Darlington	175	19	^{c}55.3	+3.0	^{c} 86	9	^{c} 25	17	^{c}43	1.22	−1.07	1.12	0	3	25	3	5	......	D. C. McCall.
Dillon	Dillon	100	11	^{a}56.8	+3.9	^{a} 81	9	^{a} 25	30	^{a}43	2.32	+0.78	2.10	0	3	....	....	....	......	A. E. Rowell.
Edisto ‡‡	Bamberg	143	27	......	......	....	....	....	....	....	1.84	+0.45	1.60	0	4	....	....	....	......	Nathan Jenkins.
Effingham	Florence	106	22	......	......	....	....	....	....	....	1.77	−0.47	1.72	0	2	....	....	....	......	H. B. McCall.
Ferguson	Orangeburg	63	29	59.4	+4.3	81	9	27	17	45	3.06	+0.91	2.78	0	3	....	....	....	......	Joseph P. Simons.
Florence 1	Florence	136	26	^{c}55.6	+1.5	^{c} 86	2	28	† 17	41	1.90	−0.34	1.46	0	2	17	11	2	ne.	H. K. Gilbert.
Florence 2	Florence	136	....	......	......	....	....	....	....	....	1.54	−0.70	1.54	0	1	22	8	0	ne.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	20	60.0	+4.0	86	12	31	30	40	3.00	+0.69	1.40	0	3	23	6	1	w.	A. P. Hazard.
Kingstree	Williamsburg	54	26	57.0	+2.1	81	† 1	28	17	42	2.30	+0.04	2.30	0	1	25	2	3	w.	A. O. Matthews.
Mayesville (near)	Sumter	70	....	57.2	......	82	† 2	26	† 17	43	1.63	......	1.00	0	5	16	8	6	n.	Lewis E. Warren.
Oaks	Georgetown	....	....	^{c}56.6	......	^{c} 83	12	^{c} 26	30	42	1.75	......	1.50	0	3	25	1	4	sw.	O. M. Mitchell.
Pinopolis **	Berkeley	54	21	......	......	^{b} 78	14	....	....	....	2.37	−0.08	1.95	0	4	....	....	....	......	Miss E. P. Ravenel.
Rimini	Clarendon	97	5	......	......	....	....	....	....	....	1.77	......	1.52	0	4	....	....	....	......	William B. Wolfe.
St. George	Dorchester	109	26	58.9	+3.7	84	† 2	30	† 17	39	2.12	+0.20	1.53	0	5	23	3	4	w.	R. S. Weeks.
St. Matthews	Calhoun	269	26	^{b}56.8	+2.3	^{b} 84	† 2	26	17	^{b}44	0.65	−1.49	0.50	0	2	21	6	3	sw.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	19	......	......	....	....	....	....	....	1.76	−0.49	1.62	0	4	....	....	....	......	W. G. Walker.
Society Hill	Darlington	192	23	54.4	+2.2	84	1	24	† 16	42	1.26	−1.01	1.13	0	3	18	11	1	w.	Rev. T. Ellison Simpson.
Summerville	Dorchester	75	17	58.6	+3.2	80	12	30	30	36	2.85	−0.09	1.34	0	5	16	13	1	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	12	^{b}60.2	+3.1	^{a} 86	1	^{b} 29	† 16	^{b}48	1.89	−0.04	1.50	0	4	26	2	2	......	J. A. Westerberg.
Yemassee	Hampton	24	19	59.3	+4.2	85	† 9	26	17	42	2.88	+0.82	2.53	0	3	24	5	1	......	J. G. Hutson.
Division means and extremes				57.7	+3.1	88	9	24	† 16	^{b}48	1.99	−0.16	2.78	0	3	22	5	3	w.	
Western Portion.																				
Aiken	Aiken	527	20	^{c}56.6	+2.0	^{c} 82	9	^{c} 17	30	^{c}38	3.15	+0.41	1.50	0	4	23	5	2	w.	W. M. Brown.
Anderson	Anderson	764	13	54.6	+2.6	84	2	27	30	42	2.58	−0.26	1.15	0	7	23	0	7	w.	H. H. Russell.
Batesburg	Lexington	656	26	55.5	+2.2	83	9	24	17	41	3.64	+1.12	3.21	0	2	27	1	2	se.	E. J. Hite.
Blairs	Fairfield	293	11	......	......	....	....	....	....	....	2.51	+0.01	2.08	0	4	....	....	....	......	J. N. Owens.
Calhoun Falls	Abbeville	508	22	......	......	....	....	....	....	....	2.01	−0.31	1.28	0	4	....	....	....	......	L. M. Parker.
Camden	Kershaw	222	48	......	......	85	10	^{b} 27	17	^{b}44	2.08	0.00	1.92	0	3	21	4	5	ne.	W. C. Brown.
Catawba	York	562	10	......	......	....	....	....	....	....	2.12	−0.55	1.34	0	4	....	....	....	......	James C. Faris.
Chappells	Newberry	402	11	......	......	....	....	....	....	....	2.30	−0.10	2.00	0	2	....	....	....	......	J. J. Murran.
Clemson College	Oconee	850	23	54.4	+4.0	76	† 2	27	16	39	2.98	+0.22	1.19	0	6	21	3	6	s.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	28	57.2	+3.4	82	9	31	16	33	1.90	−0.33	1.74	0	6	18	9	3	sw.	U. S. Weather Bureau.
Edgefield	Edgefield	....	1	......	......	....	....	....	....	....	1.80	......	1.80	0	1	....	....	....	......	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	2	......	......	....	....	....	....	....	2.87	......	2.40	0	3	....	....	....	......	Harry A. Parshall.
Greenville	Greenville	989	22	51.8	+2.4	83	9	24	30	48	2.92	−0.26	1.86	0	4	20	4	6	e.	Spartan Goodlette.
Greenwood	Greenwood	671	26	53.8	+2.1	82	9	28	† 16	38	2.90	+0.15	2.05	0	4	25	0	5	e.	M. M. Calhoun.
Heath Spring	Lancaster	568	13	53.3	+2.4	82	2	28	† 16	40	2.45	+0.05	1.67	0	3	10	7	4	w.	J. Marvin Bowers.
Landrum	Spartanburg	1063	....	52.6	......	83	9	24	30	47	4.20	......	1.66	0	6	23	2	5	......	R. Hartwell Wilds, D.D.S.
Liberty	Pickens	900	20	53.5	+3.0	81	9	26	† 16	40	2.37	−0.42	0.82	T.	5	22	4	4	sw.	John T. Boggs.
Little Mountain	Newberry	711	21	56.4	+2.3	81	9	29	30	37	2.36	−0.15	1.38	0	6	21	4	5	w.	J. M. Sease, M. D.
Meriwether	Edgefield	....	11	56.4	+3.7	84	10	26	† 16	44	2.96	+0.28	2.95	0	2	23	1	6	......	William S. Middleton.
Monetta	Saluda	400	8	57.4	......	83	9	29	16	38	2.83	......	1.60	0	3	17	11	2	sw.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	....	^{c}53.0	......	^{c} 80	9	^{c} 26	† 16	^{c}44	4.74	......	2.30	0	7	24	1	5	......	J. H. Brown.
Newberry	Newberry	502	27	55.0	+2.3	83	† 2	28	† 16	44	3.00	+0.16	2.25	0	6	17	8	5	w.	Warren G. Peterson.
Pelzer	Anderson	850	11	......	......	....	....	....	....	....	2.48	−0.07	1.62	0	4	....	....	....	......	Joshua Y. Jones.
Saluda	Saluda	536	12	54.6	+1.6	83	2	28	30	44	3.38	+0.83	1.50	0	6	24	3	3	w.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	20	53.6	+2.4	80	2	26	16	43	3.77	+0.96	2.98	0	6	20	6	4	w.	E. W. Jeter.
Spartanburg	Spartanburg	875	23	52.2	+1.3	81	† 2	26	† 16	43	2.75	−0.03	2.00	0	4	....	....	....	......	F. P. Robinson.
Trenton	Edgefield	620	21	57.3	+2.4	80	9	28	16	39	2.63	+0.05	2.28	0	3	25	4	1	w.	Mrs. S. E. Long.
Winthrop College ‡‡	York	690	14	54.0	+2.3	80	† 2	24	30	41	1.00	−1.36	0.50	0	3	19	8	3	sw.	W. P. Goodman.
Division means and extremes				54.6	+2.5	85	10	24	† 17	48	2.81	+0.02	3.21	T.	4	22	4	4	w.	
State means and extremes				56.3	+2.5	88	9	24	† 16	48	2.36	+0.02	3.21	0	4	22	4	4	w.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

MISCELLANEOUS PHENOMENA.

Fog, dense (dates).—Blackville, 11; Catawba, 8, 12; Centenary, 8, 11; Cheraw, 4; Columbia, 11, 12; Darlington, 8, 12; Edisto, 12; Effingham, 12; Florence No. 2. 8; Liberty, 12; Mayesville (near), 8, 11, 12; Monetta, 11, 12, 14; Pelzer, 12; Rimini, 11, 14; Saluda, 10, 11; Smiths Mills, 11.

Frosts (dates).—Light: Bowman, 4; Centenary, 4; Charleston, 21, 23, 24; Ferguson, 4; Florence No. 2, 2, 3, 4, 5, 6; Gaston Shoals, 4; Georgetown, 4; Meriwether, 4; Newberry, 3, 4; Spartanburg, 4. *Killing:* 3d, 1 station; 4th, 2 stations; 16th, 31 stations; 17th, 5 stations.

Halos (dates).—Lunar: Charleston, 17; Columbia, 17, 22. *Solar:* Columbia, 1; Liberty, 28; Mayesville (near), 9.

Thunderstorms (dates).—Landrum, 27; Liberty, 26; Santuck, 27.

Snow (dates).—Liberty, 19; mountains white with snow on 20th and 28th.

Daily Precipitation for November, 1915.

Stations.	Watershed.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ‖‖	Savannah															.10				2.07													2.17
Beaufort	Coast											T.				.02			2.24					.01				.03					2.30
Blackville ‖‖	Edisto															.08				1.40								.25					1.73
Bowman	do													.11		.07			.48	1.07								.15					1.88
Centenary	Pee Dee													.07	.02	.09			.27	1.82								.13					2.40
Charleston ***	Coast															.16			1.49					T.				T.					1.65
Cheraw ‖‖	Pee Dee													.01	.24	.13				1.06								.11					1.55
Conway ‖‖	Waccamaw														T.		T.		2.07									.06					2.13
Darlington ‖‖	Pee Dee													T.	.05	.05				1.12								T.					1.22
Dillon	Little Pee Dee														T.	.15			2.10									.07					2.32
Edisto ‖‖	Edisto															.05	.03			1.60								.16					1.84
Effingham ‖‖	Lynches																.05			1.72													1.77
Ferguson ‖‖	Santee															.17				2.78								.11					3.06
Florence 1 ‖‖	Pee Dee									.44										1.46													1.90
Florence 2	do															T.			1.54														1.54
Georgetown	Coast													.60					1.40	1.00													3.00
Kingstree ‖‖	Black																			2.30													2.30
Mayesville (near)	do													.11		.13			.37	1.00								.02					1.63
Oaks	do															.20			1.50									.05					1.75
Pinopolis	Cooper													.12	.10				1.95				.20										2.37
Rimini ‖‖	Santee														.15	.08	T.			1.52								.02					1.77
St. George ‖‖	Edisto														.26	.03	.04			1.53								.26					2.12
St. Matthews ‖‖	Santee															.15				.50													0.65
Smiths Mills ‖‖	Pee Dee														.08		.02			1.62									.04				1.76
Society Hill ‖‖	do													.06		.07			1.13														1.26
Summerville	Ashley											T.		.02		.10			1.34	1.15								.24					2.85
Walterboro	Ashepoo															.10				1.50	.08							.21					1.89
Yemassee ‖‖	Combahee														T.	.13				2.53								.22					2.88
Western Portion.																																	
Aiken	Edisto														.05				1.50	1.40								.20					3.15
Anderson	Savannah													.20	.14	.23			1.15	.55	.06							.25					2.58
Batesburg ‖‖	Edisto														T.	T.				3.21								.43					3.64
Blairs ‖‖	Broad														.15	.08				2.08								.20					2.51
Calhoun Falls ‖‖	Savannah														.26	.31				1.28								.16					2.01
Camden ‖‖	Wateree															.04				1.92								.12					2.08
Catawba ‖‖	Catawba														.40	.16				1.34								.22					2.12
Chappells ‖‖	Saluda														T.					2.00								.30					2.30
Clemson College	Savannah													.03	.51	.26			1.19	.49							.50						2.98
Columbia ***	Congaree												T.	.09	.01	.01			1.74								.01	.04					1.90
Edgefield ‖‖	Savannah																			1.80													1.80
Gaston Shoals ‖‖	Broad													T.	.44					2.40								.03					2.87
Greenville ‖‖	Saluda													T.	.54	.25				1.86								.27					2.92
Greenwood ‖‖	do														.37	.21				2.05								.27					2.90
Heath Spring	Wateree															.45			1.67									.33					2.45
Landrum	Broad													.05	.72	.12			.84	1.66								.81					4.20
Liberty	Savannah													.15	.82				.60	.20							T.	.60					2.37
Little Mountain	Saluda													.20	.10	.11			.55	1.38								.02					2.36
Meriwether	Savannah																		2.95								.01						2.96
Monetta	Edisto													T.	T.				.84	1.60								.39					2.83
Mountain Rest	Savannah													.32	.05	.71			2.30	.20							.22	.94					4.74
Newberry	Saluda													.30	.15	.09			1.50	.75								.21					3.00
Pelzer ‖‖	do													T.	.50	.16				1.62								.20					2.48
Saluda	do												.35		.04	.14			1.50	1.30							.05						3.38
Santuck	Broad													.07	.18	.12			1.10	1.88								.42					3.77
Spartanburg ‖‖	do													T.	50	.17				2.00								.08					2.75
Trenton	Edisto													T.		.20				2.28								.15					2.63
Winthrop College	Catawba														.25				.50									.25					1.00

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR NOVEMBER.

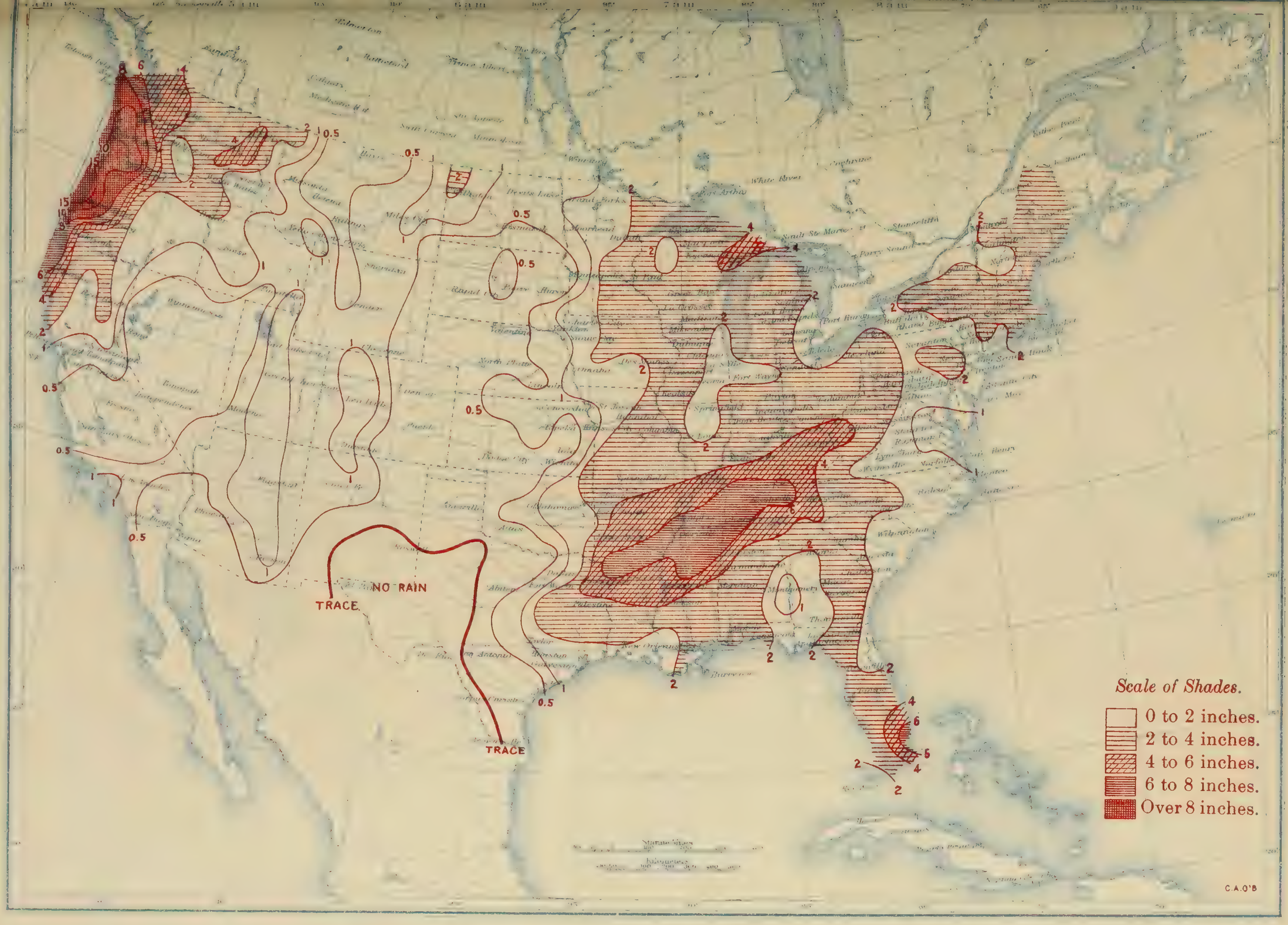
Year.	Temperature.			Precipitation.		Average number of days—			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	52.3	78	18	0.82	4				nw.
1888	52.7	82	22	2.77	8				
1889	54.8	84	18	3.84	6				w.
1890	58.4			0.64					
1891	51.9	82	15	2.48					ne.
1892	53.9	86	14	1.96					sw.
1893	52.9	87	15	2.11	5	14	8	8	ne.
1894	52.3	83	17	2.02	4	18	7	5	nw
1895	54.4	88	21	2.35	6	12	8	10	ne.
1896	59.1	90	26	4.00	7	12	8	10	ne.
1897	55.3	88	23	1.99	5	16	7	7	sw.
1898	51.0	82	14	4.72	10	14	6	10	ne.
1899	55.0	86	22	2.41	5	16	6	8	ne.
1900	55.6	92	22	3.32	6	13	8	9	sw.
1901	48.2	85	17	1.01	5	21	4	5	n.
1902	59.2	89	22	3.80	6	13	7	10	ne.
Continued—									
1903	50.9	86	10	1.40	5	14	8	8	n.
1904	51.6	80	22	2.78	6	17	6	7	w.
1905	54.5	90	21	1.31	3	17	6	7	sw.
1906	53.8	89	20	0.96	3	18	8	4	ne.
1907	52.2	87	24	4.13	10	12	7	11	ne.
1908	56.6	88	24	1.60	3	16	10	4	sw.
1909	58.3	88	20	0.97	2	18	9	3	sw.
1910	51.1	85	24	1.04	4	20	6	4	w.
1911	51.2	83	19	3.30	8	13	10	7	ne.
1912	52.1	84	17	2.71	4	22	4	4	w.
1913	53.5	89	18	1.79	2	21	5	4	w.
1914	52.4	86	17	3.33	6	19	4	7	w.
1915	56.3	88	24	2.36	4	22	4	4	w.
Period	53.8	92	10	2.34	5	16	7	7	w.

Daily Temperatures for November, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	82	84	79	74	74	77	79	80	70	78	70	84	79	80	78	71	66	64	60	61	66	66	64	68	57	63	66	65	62	60	....	70.9
	Minimum	46	54	53	40	39	55	49	49	55	55	58	58	62	56	60	29	28	43	46	42	40	37	32	30	33	29	30	32	30	26	....	43.2
Beaufort	Maximum	80	80	75	71	78	76	72	78	80	76	75	80	78	....	78	56	65	73	70	65	73	65	62	65	67	73	68	72	61	52	....	[a] 71.2
	Minimum	58	60	52	45	55	56	52	57	61	59	60	63	62	....	49	38	38	66	52	47	48	43	41	43	45	54	48	44	42	35	....	[a] 50.8
Blackville §§	Maximum	86	87	81	82	82	84	86	87	88	80	84	83	84	83	63	67	69	72	58	72	70	62	67	70	70	77	70	72	55	52	....	74.8
	Minimum	43	45	43	37	39	45	47	52	54	54	54	59	57	52	53	28	28	42	48	42	37	41	35	34	36	50	52	39	40	29	....	43.8
Bowman	Maximum	81	82	70	75	77	80	80	81	81	82	81	80	70	80	74	70	65	72	60	64	72	70	65	66	68	75	70	65	60	58	....	72.5
	Minimum	56	58	52	34	38	40	39	45	50	52	53	52	52	52	45	27	25	50	53	40	37	34	30	31	33	40	38	34	30	28	....	41.6
Centenary	Maximum	80	82	70	69	79	67	72	80	76	70	76	79	77	73	69	58	59	63	67	64	71	67	64	53	59	70	71	71	63	50	....	69.0
	Minimum	60	65	54	34	43	49	42	50	52	50	48	56	52	50	57	34	26	39	55	44	38	44	30	31	35	40	47	36	47	24	....	44.4
Charleston	Maximum	80	79	67	69	77	70	72	75	80	71	74	83	73	77	72	55	64	73	70	62	71	62	63	64	63	70	72	66	61	50	....	69.5
	Minimum	64	63	53	52	57	58	56	58	64	62	61	68	58	56	47	41	45	61	51	46	47	49	48	45	51	60	54	48	41	35	....	53.3
Cheraw §§	Maximum	80	82	64	70	77	66	78	74	80	68	78	82	60	66	65	56	67	71	56	61	71	56	59	63	65	71	69	69	56	49	....	67.6
	Minimum	45	50	46	34	48	48	42	48	56	58	45	58	55	46	48	28	32	38	51	41	42	38	32	36	38	40	55	36	42	30	....	43.5
Conway §§	Maximum	81	81	68	70	77	70	73	77	68	72	78	81	61	76	70	57	69	71	61	50	71	58	66	66	68	72	72	71	58	51	....	68.8
	Minimum	47	60	43	36	45	50	44	49	55	53	48	60	61	52	56	33	29	41	52	44	41	46	32	32	35	40	54	37	45	28	....	44.9
Darlington §§	Maximum	....	83	70	69	76	69	77	80	86	71	78	77	58	69	68	59	68	....	....	....	....	62	63	68	70	72	74	71	59	52	....	[e] 70.0
	Minimum	48	....	42	34	42	46	42	46	51	51	44	49	55	47	48	27	25	34	....	....	....	....	28	29	30	39	50	36	44	27	....	[e] 40.6
Dillon	Maximum	79	83	67	69	77	67	75	79	81	69	79	78	68	70	69	56	67	70	59	62	....	72	62	63	66	74	70	72	57	50	....	[a] 69.3
	Minimum	57	57	42	50	49	48	42	51	53	53	45	56	51	48	49	31	27	40	43	43	....	41	30	46	34	41	53	37	43	26	....	[a] 44.3
Ferguson §§	Maximum	80	80	67	71	78	70	77	79	81	72	77	81	68	80	67	58	65	73	68	63	71	58	66	68	70	74	79	72	56	48	....	70.6
	Minimum	56	57	58	39	40	53	52	50	50	52	55	55	60	66	62	31	27	28	39	48	52	45	45	45	48	54	54	47	47	30	....	48.2
Florence 1 §§	Maximum	83	86	67	72	78	78	78	80	83	76	....	....	....	66	67	50	68	62	58	64	73	59	61	65	70	72	71	70	58	56	....	[c] 69.3
	Minimum	48	56	45	38	39	48	44	49	50	53	59	....	....	....	50	30	28	32	44	42	44	39	31	32	35	37	48	40	44	28	....	[c] 42.0
Georgetown	Maximum	82	81	80	73	80	78	76	80	85	73	81	86	71	78	70	59	64	72	72	70	72	62	68	68	68	72	75	72	60	54	....	72.7
	Minimum	51	61	44	40	49	52	47	46	50	49	54	65	66	52	56	33	32	46	52	42	46	48	36	36	41	47	61	40	47	31	....	47.3
Kingstree §§	Maximum	81	81	66	70	79	69	76	80	81	73	79	81	66	75	70	57	67	72	60	63	72	58	58	65	67	72	69	72	58	50	....	69.6
	Minimum	46	58	48	36	37	51	45	49	51	53	50	53	61	51	52	33	28	33	50	43	43	45	34	35	35	45	56	38	45	29	....	44.4
Mayesville (near)	Maximum	81	82	73	71	76	72	77	80	82	73	78	81	74	73	69	57	61	69	73	69	72	67	63	65	67	73	71	72	67	52	....	71.3
	Minimum	49	54	43	34	40	48	43	46	52	51	46	53	50	49	56	28	26	39	50	41	47	38	42	30	31	43	57	36	42	26	....	43.0
Oaks	Maximum	81	79	69	71	77	70	75	....	....	71	66	83	....	77	71	62	67	71	69	62	71	63	67	67	68	73	73	73	66	53	....	[c] 70.2
	Minimum	49	57	45	35	43	48	44	....	....	52	47	65	....	52	54	34	27	48	53	43	38	37	32	31	34	41	48	36	41	26	....	[c] 43.0
St. George §§	Maximum	83	84	73	75	81	74	82	83	84	77	74	84	67	81	67	60	64	72	59	65	72	61	68	68	71	71	70	73	57	52	....	71.7
	Minimum	52	60	52	38	42	52	47	51	54	56	55	56	63	53	55	32	30	36	52	43	43	45	34	33	34	44	58	39	44	30	....	46.1
St. Matthews §§	Maximum	76	84	67	75	81	72	81	82	84	71	75	....	....	77	71	66	64	71	57	70	71	60	66	63	66	72	71	70	57	52	....	[b] 70.4
	Minimum	55	53	45	35	37	49	45	51	57	51	48	52	55	50	52	32	26	27	48	40	38	38	37	35	32	46	52	45	38	30	....	43.3
Society Hill §§	Maximum	84	70	71	81	72	80	82	84	70	78	81	66	67	67	57	66	72	64	63	72	59	65	67	69	70	70	70	65	61	60	....	70.1
	Minimum	52	39	32	45	45	39	45	47	45	42	47	51	45	48	26	24	32	50	38	41	36	25	27	39	38	39	34	41	24	26	....	38.7
Summerville	Maximum	77	78	68	68	74	70	74	76	79	75	76	80	72	77	70	56	64	68	72	63	71	60	65	64	67	71	68	70	58	50	....	69.4
	Minimum	54	60	52	39	49	51	49	54	50	57	55	62	56	55	55	33	32	52	53	45	41	45	37	38	42	52	53	41	45	30	....	47.9
Walterboro	Maximum	86	82	....	74	80	75	80	81	84	79	77	84	75	83	77	60	68	72	72	66	73	65	68	69	72	74	70	73	67	52	....	[a] 73.7
	Minimum	56	....	52	36	47	65	47	49	....	55	55	60	60	55	49	29	29	52	52	45	37	47	35	37	38	51	53	38	45	31	....	[b] 46.6
Yemassee §§	Maximum	82	82	70	72	78	77	80	80	85	79	78	85	80	82	69	60	68	72	62	65	73	61	64	69	71	75	70	68	56	52	....	72.2
	Minimum	55	55	50	34	49	48	46	52	52	54	58	58	62	54	58	27	26	56	55	42	34	47	34	33	39	52	51	37	45	28	....	46.4
Western Portion.																																	
Aiken	Maximum	79	79	74	71	78	71	....	80	82	....	77	79	76	71	68	55	64	62	60	61	69	59	64	....	66	74	66	68	59	49	....	[c] 68.7
	Minimum	51	54	46	44	43	51	....	49	56	....	52	60	55	48	49	30	34	49	44	37	39	36	36	....	38	49	45	43	37	27	....	[c] 44.5
Anderson	Maximum	78	84	70	70	78	71	82	79	80	73	78	77	68	54	61	55	61	54	55	61	66	59	59	64	63	73	68	62	55	49	....	66.9
	Minimum	42	55	46	39	52	50	48	56	55	50	52	60	42	46	38	28	31	40	39	35	41	32	31	35	37	48	42	38	35	27	....	42.3
Batesburg §§	Maximum	78	82	78	74	78	70	78	79	83	74	79	81	72	69	57	58	65	65	63	72	60	61	63	65	66	68	69	67	66	66	....	70.2
	Minimum	49	56	45	40	44	46	49	52	55	44	46	46	58	44	46	25	24	26	42	35	37	33	31	36	36	40	35	37	36	27	....	40.8
Camden §§	Maximum	84	83	84	84	80	80	82	80	83	85	78	82	61	69	65	58	65	71	52	67	71	71	70	67	65	65	71	69	70	50	....	72.1
	Minimum	50	50	....	40	41	41	50	50	51	56	57	57	57	50	40	30	27	28	51	46	47	....	....	....	....	50	50	....	....	....	....	......
Clemson College	Maximum	72	76	76	68	73	72	72	73	75	71	71	71	71	70	56	54	60	60	61	60	62	59	57	62	59	69	68	59	58	50	....	65.5
	Minimum	39	54	37	37	48	49	45	50	54	57	59	60	49	50	49	27	28	44	46	39	43	31	30	31	33	46	44	36	40	40	....	43.2
Columbia	Maximum	78	82	65	69	79	68	78	79	82	70	76	79	69	68	69	57	64	70	60	62	69	55	63	63	66	72	67	68	55	48	....	68.3
	Minimum	55	56	49	40	50	52	48	55	59	55	51	61	51	48	36	31	34	49	46	43	45	40	35	38	40	49	50	44	38	31	....	46.0
Greenville §§	Maximum	78	82	69	69	82	71	82	80	83	69	75	75	62	55	55	51	63	51	53	63	67	55	56	63	62	66	67	61	53	48	....	65.5
	Minimum	37	40	45	33	34	46	42	44	53	55	51	53	56	47	47	25	25	26	40	35	35	26	26	28	27	30	40	35	34	24	....	38.0
Greenwood §§	Maximum	79	80	68	70	78	78	79	77	82	71	75	79	61	64	56	55	66	56	52	60	65	56	59	63	64	71	65	62	49	48	....	66.3
	Minimum	47	50	42	40	40	49	50	51	53	52	50	51	58	46	46	28	28	31	42	38	38	32	32	34	34	34	44	34	37	29	....	41.3
Heath Spring	Maximum	75	82	70	65	69	75	78	73	71	67	75	78	68	58	60	54	60	52	52	56	66	55	55	58	59	63	67	63	51	47	....	64.1
	Minimum	52	58	47	48	38	38	39	37	43	52	44	57	55	54	43	28	33	42	47	39	44	32	32	33	37	45	51	39	39	28	....	42.5
Landrum	Maximum	77	82	67	69	79	68	81	76	83	67	73	75	69	64	52	53	62	55	55	61	68	58	55	62	61	62	68	60	55	45	....	65.4
	Minimum	40	48	43	32	44	47	43	50	56	52	49	54	47	42	38	30	26	39	41	29	41	31	27	32	27	40	45	32	44	24	....	39.8
Liberty	Maximum	75	79	68	68	78	70	78	77	81	75	74	76	73	54	56	51	61	53	51	63	64	62	56	62	60	65	64	61	60	47	....	65.4
	Minimum	39	40	38	36	46	49	45	53	59	59	55	59	49	48	44	26	26	43	42	36	40	33	28	32	33	49	42	35	36	29	....	41.6
Little Mountain	Maximum	77	80	73	69	78	70	77	77	81	70	70	77	69	68	67	55	63	57	59	60	67	63	60	63	64	70	67	66	58	49	....	67.5
	Minimum	54	55	43	43	49	49	50	51	62	53	50	57	51	45	46	30	34	44	45	39	43	37	39	39	38	50	48	44	38	29	....	45.2
Meriwether	Maximum	80	82	77	72	79	73	79	82	83	84	83	82	72	69	69	59	60	65	63	62	69	58	63	68	69	76	77	69	59	50	....	71.1
	Minimum	43	53	44	35	37	51	46	50	50	51	54	60	51	50	48	26	26	38	39	39	35	35	32	33	34	45	45	35	39	31	....	41.8
Monetta	Maximum	79	81	76	71	77	72	79	80	83	77	78	79	75	70	67	58	64	59	59	61	67	62	61	66	66	74	68	66	60	48	....	69.4
	Minimum	51	54	50	40	44	50	48	55	56	55	52	59	54	48	50	29	32	49	45	40	41	36	34	39	39	51	48	41	39	31	....	45.3
Mountain Rest	Maximum	76	78	66	68	78	72	77	78	80	70	68	75	70	56	54	53	61	52	57	61	60	55	56	61	60	57	66	....	....	....	....	[c] 65.4
	Minimum	40	49	34	34	41	46	45	51	52	55	51	52	47	45	44	26	26	42	44	39	38	29	27	32	34	35	38	....	....	....	....	[c] 40.6
Newberry	Maximum	80	83	69	70	80	68	80	80	83	71	76	80	70	56	66	56	64	57	59	59	67	62	61	63	64	71	67	69	60	50	....	68.0
	Minimum	44	53	42	36	40	50	45	48	51	52	47	54	51	46	43	28	28	49	46	39	39	32	30	31	32	49	46	38	39	28	....	41.9
Saluda	Maximum	80	83	70	71	80	70	80	85	73	77	80	73	72	64	68	58	65	60	60	62	69	60	64	65	65	73	69	68	57	50	....	69.0
	Minimum	42	50	36	32	40	45	41	54	45	47	55	54	53	47	47	29	24	41	45	39	41	30	29	29	29	46	45	30	37	28	....	40.3
Santuck	Maximum	76	80	70	67	78	66	78	77	80	70	75	78	71	54	62	53	61	55	57	58	66	59	57	60	61	69	65	63	55	45	....	65.5
	Minimum	42	52	41	35	49	48	44	49	58	50	44	62	51	45	42	26	28	42	46	38	43	33	29	28	33	47	45	35	36	27	....	41.6
Spartanburg §§	Maximum	76	81	66	69	80	68	81	77	80	66	75	76	62	56	55	51	61	51	54	60	66	53	56	62	61	67	66	60	51	45	....	64.4
	Minimum	39	47	41	36	37	45	44	50	50	52	49	52	57	45	46	26	27	28	41	35	35	36	29	32	34	40	45	37	35	26	....	39.9
Trenton	Maximum	77	78	72	70	75	75	74	77	80	76	77	77	71	66	67	57	67	64	60	59	66	59	61	68	69	72	68	66	59	48	....	68.5
	Minimum	54	56	46	45	48	48	49	57	63	58	53	69	55	49	48	28	34	40	45	39	40	35	35	40	40	51	46	43	38	30	....	46.1
Winthrop College	Maximum	76	80	67	69	78	67	79	76	80	69	75	78	72	53	62	55	65	55	60	60	62	60	61	62	65	71	68	68	56	49	....	66.5
	Minimum	48	50	41	37	50	45	46	49	57	49	43	59	51	43	44	28	30	40	44	35	38	31	31	32	33	43	46	38	34	24	....	41.4

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
□ 0 to 2 inches.
▤ 2 to 4 inches.
▨ 4 to 6 inches.
▦ 6 to 8 inches.
■ Over 8 inches.
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TRACE
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CLIMATOLOGICAL DATA

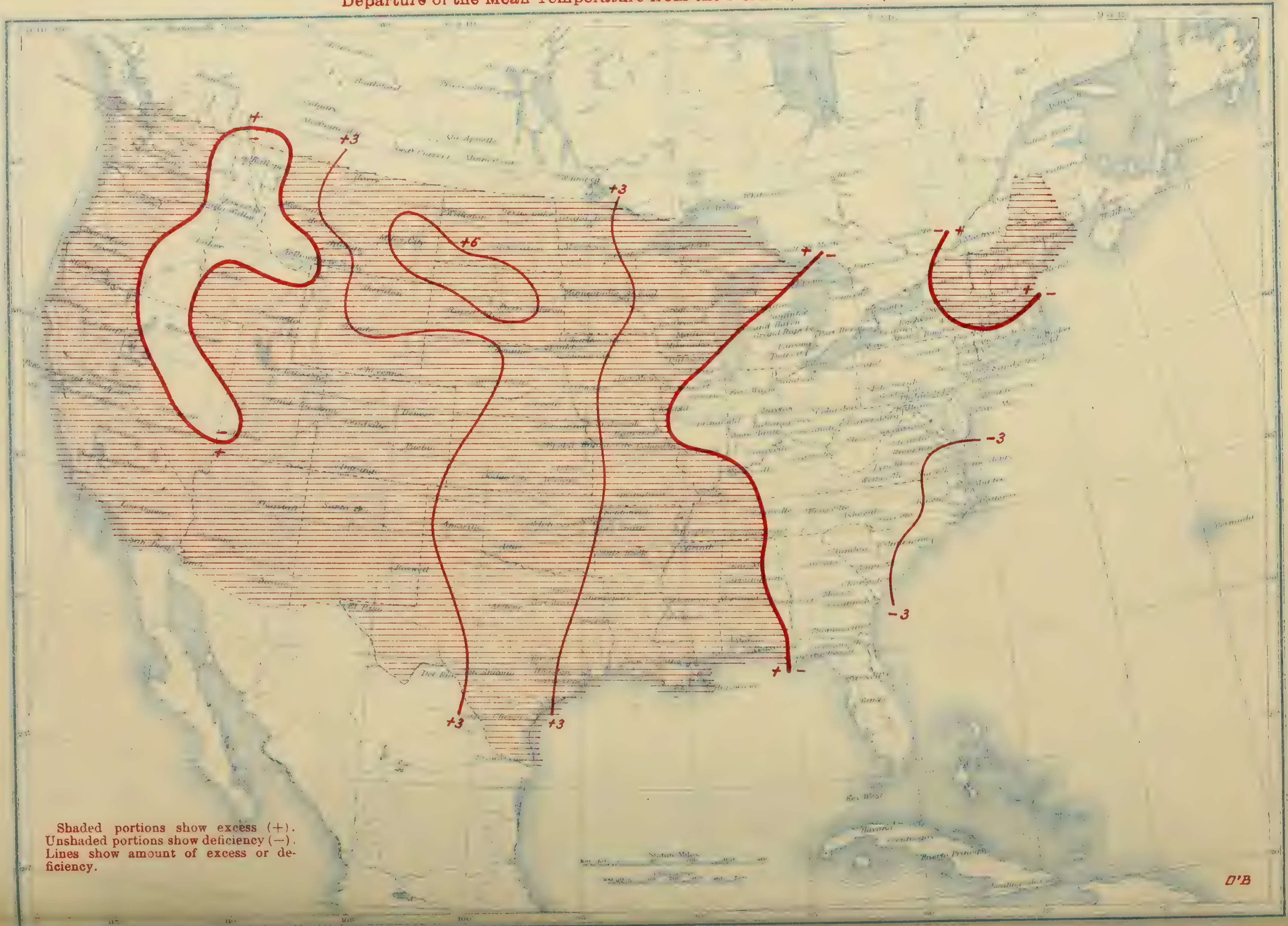
SOUTH CAROLINA SECTION

DECEMBER, 1915

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
January 21, 1916

Departure of the Mean Temperature from the Normal, December, 1915.



Shaded portions show excess (+).
Unshaded portions show deficiency (—).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN. Section Director.

Vol. XVIII. Columbia, S. C., December, 1915. No. 12.

GENERAL SUMMARY.

December, 1915, was a typical winter month, with temperatures below the seasonal average and considerably more than the usual amount of snow; withal, the sunshine was comparatively abundant, in direct contrast to the gloomy conditions of December, last year. While the precipitation averaged slightly below normal, the scant rainfall on the lower Piedmont and coastal plain was nearly balanced by excessive amounts in a few northwestern counties. On the other hand, the sustained cold of the first half of the month, when temperatures averaged about 7 degrees per day below normal, offset the effects of the alternating warm and cold periods of the last half.

On the whole, the month was favorable for the winter grain crops and general outdoor work, but the growth of winter truck was retarded.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.13 inches. The highest pressure in the region covered by reports was 30.55 inches at Asheville, N. C., on the 31st, and in the Section proper, 30.54 inches at Columbia on the same date; lowest, 29.30 inches at Asheville, N. C., on the 29th, and in the Section proper, 29.45 inches at Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 40 stations, was 44.2°, or 2.2° below the established normal. The highest temperature was 79° at Conway, Horry Co., and at Georgetown, Georgetown Co., on the 29th. The warmest periods were on the 16th and 17th and near the close of the month. The lowest temperature was 17° at Mountain Rest, Oconee Co., on the 21st and at Oaks, Georgetown Co., on the 22d. The coldest period was generally on the 21st and 22d, although quite a number of minimum temperatures were recorded between the 7th and 10th.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 79%; 8 p.m., 67%. The highest average percentages occurred over the upper Savannah watershed, and the lowest, over the north-central counties.

PRECIPITATION.

The average for the Section, 55 stations reporting, was 3.27 inches, or 0.15 inch below the established normal. Precipitation was fairly general on the 11th and 12th, from the 15th to the 21st and on the 28th and 29th, but was badly distributed as to amounts, only the northwestern counties receiving much more than normal. In an extensive area of the middle and northeastern interior the measurements ranged below 2 inches. The greatest local monthly amount was 10.08 inches at Mountain Rest, Oconee Co.; least amount, 1.41 inches at Columbia, Richland Co. The greatest amount during any 24 hours was 3.47 inches at Clemson College, Oconee Co., on the 17th and 18th. The average number of days with measurable precipitation was 12% below normal.

Snowfall in measurable quantities was recorded in the northwestern counties and over practically the whole of the coastal plain. A snowstorm of unusual severity prevailed on the 20th and 21st over the region from Hampton and Colleton counties to the North Carolina line, the recorded depths ranging from 2.5 to 9.0 inches. In a broad belt of the northern interior the snow melted as it fell. (See snow chart on this page).

WIND.

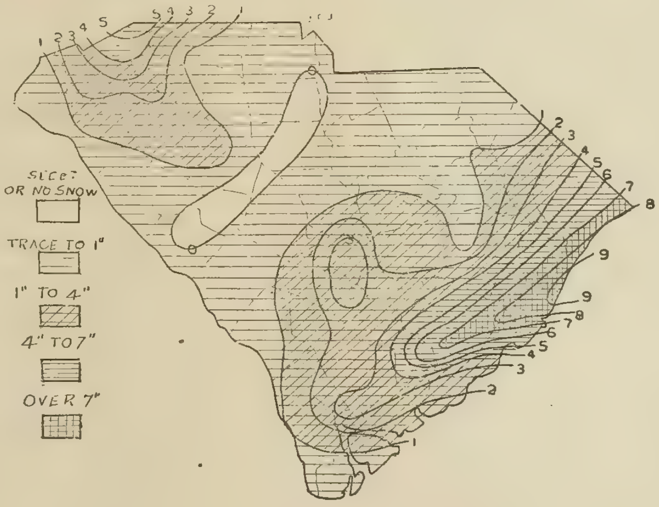
The prevailing winds were from the west. The average hourly velocity, determined from 7 anemometer records, was 8.7 miles. The highest average velocity in the region covered by reports was 11.3 miles per hour at Savannah, Ga., and the lowest average, 6.4 miles per hour at Augusta, Ga. In the Section proper the averages were 7.2 miles per hour at Columbia and 9.9 miles per hour at Charleston. The highest velocity for any 5-minute period was 58 miles per hour from the southwest at Charlotte, N. C., on the 29th, and in the Section proper, 47 miles per hour from the south at Charleston on the 18th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 202.5 hours, or 65% of the possible amount. The average number of clear days was 18; partly cloudy, 5, and cloudy, 8, as against normals of 14, 7 and 10 days, respectively.

(CONTINUED ON PAGE 92.)

TOTAL SNOWFALL DURING DECEMBER.



MISCELLANEOUS DATA FOR DECEMBER, 1915.

Stations.	Barometer—sea level.	Temperature—degrees Fahr. Mean.	Highest.	Lowest.	Precipitation—inches. Total.	Greatest 24 hours.	Wind. Average hourly velocity—miles.	Prevailing direction.	Mean relative humidity 8 a. m.	8 p. m.	Percentage of possible sunshine.
Asheville, N. C.	30.13	37.6	61	20	5.01	2.50	10.0	nw.	78	66	54
Augusta, Ga.	30.14	45.8	73	27	2.08	0.85	6.4	w.	86	71	68
Charleston, S. C.	30.13	48.2	71	31	2.81	1.37	9.9	n.	79	73	71
Charlotte, N. C.	30.11	41.4	66	26	2.53	1.54	8.7	sw.	75	64	68
Columbia, S. C.	30.14	44.6	73	25	1.41	0.89	7.2	sw.	81	58	63
Savannah, Ga.	30.14	50.4	74	31	2.08	1.26	11.3	w.	75	69	69
Wilmington, N. C.	30.12	44.5	71	27	1.81	0.75	7.3	w.	78	70	63
Means and extremes	30.13	44.6	74	20	2.53	2.50	8.7	w.	79	67	65

Climatological Data for December, 1915.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipitation (0.01 in. or more)	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	26								1.85	−0.96	0.90	1.0	6	12	9	10	w.	R. B. Vance.
Beaufort	Beaufort	21	28	^{d}49.6	−2.1	^{d}71	16	^{c}26	22	^{d}37	2.70	−0.49	1.76	1.0	3	22	4	5	nw.	Miss Lillian H. Rice.
Blackville	Barnwell	296	26	46.2	−1.1	75	17	22	† 21	46	2.08	−1.43	1.15	1.5	5	22	4	5		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	12	47.0	−0.1	75	18	19	21	48	3.46	−0.06	1.46	3.2	6	21	3	7	w.	B. O. Evans.
Centenary	Marion	43		42.4		69	† 17	20	22	41	1.52		0.80	3.8	8	16	8	7	w.	D. L. Carmichael.
Charleston	Charleston	48	44	48.2	−3.1	71	29	31	21	27	2.81	−0.34	2.81	2.5	6	18	7	6	n.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	25	44.0	−0.1	72	17	24	22	38	1.77	−1.49	0.90	T.	8					J. H. Powe.
Conway	Horry	25	29	^{a}44.8	−3.1	^{a}79	29	^{a}18	22	^{a}44	2.62	−0.58	0.90	6.5	5					Paul Quattlebaum.
Darlington	Darlington	175	19	43.3	−1.6	74	17	21	† 7	41	1.89	−0.78	0.96	0.8	7	20	3	8		D. C. McCall.
Dillon	Dillon	100	11	44.0	−2.5	75	25	22	22	39	1.62	−1.63	0.56	0.8	10					A. E. Rowell.
Edisto ‡‡	Bamberg	143	27								1.79	−1.93	0.92	2.0	6					Nathan Jenkins.
Effingham	Florence	106	22								1.45	−1.85	0.82	1.0	5					H. B. McCall.
Ferguson	Orangeburg	63	29	46.2	−2.0	74	25	23	22	45	2.84	−0.17	2.05	2.2	4					Joseph P. Simons.
Florence 1	Florence	136	26	43 1	-1.8	74	17	24	† 22	40	2.46	−0.57	0.96	0.1	7	16	7	8	sw.	H. K. Gilbert.
Florence 2	Florence	136									3.59	+0.56	1.75	1.0	7	20	6	5	nw.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	20	46.4	−2.8	79	29	20	22	45	2.88	−0.67	1.30	9.0	5	18	10	3	w.	A. P. Hazard.
Kingstree	Williamsburg	54	26	44.0	−3.2	74	29	20	22	32	2.21	−0.41	1.00	0.3	3	19	2	10	n.	A. O. Matthews.
Mayesville (near)	Sumter	70		45.0		75	17	20	22	45	1.93		0.95	1.5	9	16	8	7	w.	Lewis E. Warren.
Oaks	Georgetown			^{a}45.0		^{a}75	16	^{a}17	22	^{a}50	2.52		1.24	6.5	9	19	3	9	nw.	O. M. Mitchell.
Pinopolis **	Berkeley	54	21	44.1	−3.8	70	17	25	22		3.42	+0.48	1.50	5.0	5	20	0	11	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	5								3.38		1.10	1.5	8					William B. Wolfe.
St. George	Dorchester	109	26	46.6	−1.1	75	17	26	† 1	41	1.97	−1.29	1.12	2.5	10	23	1	7	n.	R. S. Weeks.
St. Matthews	Calhoun	269	26	44.5	−1.8	74	† 17	22	† 7	49	1.58	−1.68	0.90	3.5	4	9	18	4	ne.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	19								2.72	−0.88	1.05	4.0	6					W. G. Walker.
Society Hill	Darlington	192	23	^{c}42.8	−2.3	^{c}74	17	^{a}20	21	^{c}43	1.91	−1.35	0.92	0.7	7	19	2	12	n.	T. S. Lucas.
Summerville	Dorchester	75	17	46.0	−2.6	73	17	20	22	43	2.96	−0.59	0.98	6.5	7	14	11	6	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	12	^{a}49.7	−2.4	^{a}75	17	^{a}20	22	^{a}46	2.92	−0.43	1.00	2.5	7	20	4	7		J. A. Westerberg.
Yemassee	Hampton	24	19	46.7	−1.0	77	17	18	22	48	2.34	−1.01	1.03	3.5	4	20	6	5		J. G. Hutson.
Division means and extremes				45.4	−2.1	79	29	17	22	50	2.40	−0.81	2.81	2.7	7	18	6	7	w.	
Western Portion.																				
Aiken	Aiken	527	20	^{d}44.7	−3.0	^{d}74	17	^{d}22	21	^{d}40	2.30	−1.46	0.90	0.2	7	17	7	7	w.	W. M. Brown.
Anderson	Anderson	764	13	42.6	−1.4	67	23	23	21	42	6.62	+2.14	2.11	1.0	9	20	0	11	w.	H. H. Russell.
Batesburg	Lexington	656	26					22	21		2.74	−1.12	0.82	T.	5	22	1	8	e.	E. J. Hite.
Blairs	Fairfield	293	11								2.81	−1.79	0.94	0	6					J. N. Owens.
Calhoun Falls	Abbeville	508	22								4.68	+0.26	1.93	T.	5					L. M. Parker.
Camden	Kershaw	222	48	45.8		73	17	21	† 22	42	1.96	−1.53	1.26	T.	6	17	3	11	ne.	W. C. Brown.
Catawba	York	562	10								4.17	−0.36	1.86	0	7					James C. Faris.
Chappells	Newberry	402	11								2.63	−2.36	1.53	0.2	4					J. J. Murran.
Clemson College	Oconee	850	23	42.6	−0.1	68	9	22	21	43	8.80	+3.67	3.47	1.0	8	20	5	6	s.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	28	44.6	−2.6	73	17	25	7	36	1.41	−1.49	0.89	T.	5	20	4	7	sw.	U. S. Weather Bureau.
Edgefield	Edgefield		1								2.25		0.70	0	5					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	2								5.03		1.04	1.0	7					Harry A. Parshall.
Greenville	Greenville	989	22	39.0	−2.2	65	24	20	† 14	38	6.52	+2.02	2.86	3.0	8	18	5	8	s.	J. H. Woodside.
Greenwood	Greenwood	671	26	42.0	−0.6	69	17	25	† 7	36	3.34	+1.14	1.40	T.	7	22	0	9	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	13	^{b}40.3	−1.6	^{b}68	24	23	† 22	^{b}45	2.06	−2.20	0.78	T.	4	12	15	4	w.	J. Marvin Bowers.
Landrum	Spartanburg	1063		40.8		62	29	20	22	38	4.97		3.37	5.5	7	20	3	8		R. Hartwell Wilds, D.D.S.
Liberty	Pickens	900	20	41.8	−0.9	63	24	22	7	38	6.62	+0.86	2.50	2.5	7	20	2	9	sw.	John T. Boggs.
Little Mountain	Newberry	711	21	44.6	−1.0	70	17	25	21	36	2.46	−0.88	0.88	0	6	18	1	12	n.	J. M. Sease, M. D.
Meriwether	Edgefield	450	11	44.2	−2.0	73	17	22	† 21	43	2.41	−1.66	0.85	T.	4	19	4	8		William S. Middleton.
Monetta	Saluda	400	8	45.0		72	17	24	22	38	2.40		0.82	T.	9	15	10	6	w.	Joseph M. Johnson.
Mountain Rest	Oconee	1380						^{n}17	21		10.08			T.	12					J. H. Brown.
Newberry	Newberry	502	27	43.0	1.8	70	17	21	7	42	3.20	−1.04	1.00	1.0	7	10	12	9	w.	Warren G. Peterson.
Pelzer	Anderson	850	11								7.00	+1.54	2.24	1.0	7					Joshua Y. Jones.
Saluda	Saluda	536	12	43.2	−2.5	71	17	20	22	43	2.63	−1.38	0.90	0	6	22	3	6	w.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	20	42.0	−1.2	67	† 25	22	† 7	37	4.24	−0.04	1.50	0.5	8	17	5	9	w.	E. W. Jeter.
Spartanburg	Spartanburg	875	23	39.9	−2.1	64	† 21	22	† 7	37	5.33	+0.88	2.80	1.0	6					F. P. Robinson.
Trenton	Edgefield	620	21			^{i}71	17	^{i}24	22	^{i}34				T.						Mrs. S. E. Long.
Winthrop College ‡‡	York	690	14	43.4	+0.3	68	† 24	23	21	38	3.75	−0.84	1.20	T.	7	12	11	8	sw.	W. P. Goodman.
Division means and extremes				42.8	−1.5	71	17	17	21	45	4.16	−0.26	3.47	0.7	7	18	4	9	w.	
State means and extremes				44.2	−2.2	79	29	17	† 21	50	3.27	−0.15	3.47	1.7	7	18	5	8	w.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

RIVER CONDITIONS.

Moderate rains over the higher elevations of the Section on the 17th and 18th were followed by flood stages in the Santee River between the 21st and 28th. The month closed with the lower Saluda, lower Broad, Catawba, Wateree and upper Santee rivers in flood and upper Pee Dee River near flood, incident to heavy rains over the upper reaches on the 28th and 29th. Otherwise, there were no important rises in the rivers of the Section during the month.

MISCELLANEOUS PHENOMENA.

Earthquake (date).—Summerville, slight, 7.55 p.m., 12th. *Halos (dates).*—*Lunar:* Charleston, 17; Columbia, 14, 16; Liberty, 14; Santuck, 18, 24. *Solar:* Columbia, 17; Liberty, 20; Mayesville (near), 6, 8, 24.

Errata.—June, 1915.

Florence No. 2 (Pee Dee Experiment Station). -Total precipitation (page 44) should be 3.03.

Daily Precipitation for December, 1915.

Stations.	Watershed.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ‖‖	Savannah					.30	.10						.90						.42		.10	.03											1.85
Beaufort	Coast					T.						.65							.29		1.76												2.70
Blackville ‖‖	Edisto						.22					.32	.83									.10								.11			2.08
Bowman	do		T.			.16						1.46	.18						1.20		.32					.14						T.	3.46
Centenary	Pee Dee		T.									.10	.80	T.		.05	.07		.29		.09						.07		T.	.05			1.52
Charleston ***	Coast		T.			.16	.01					1.37	T.			T.			.18		1.08					T.			.01				2.81
Cheraw ‖‖	Pee Dee		T.				.01						.90	.05			.07		.50			T.					.11			.09	.04		1.77
Conway ‖‖	Waccamaw			T.									.90				T.		.37			.75								.40	.20		2.62
Darlington ‖‖	Pee Dee												.96	.04			.10	T.	.51			.15					.07			.06			1.89
Dillon	Little Pee Dee		T.			T.						.56	.19			.09	.02		.30		.06	.26				.04	.05		.05				1.62
Edisto ‖‖	Edisto					.09	.20					.04	.92						.40			.14											1.79
Effingham ‖‖	Lynches		T.										.82				T.	.07	.35			.11								.10	T.		1.45
Ferguson ‖‖	Santee						.09						2.05						.18			.52											2.84
Florence 1 ‖‖	Pee Dee		T.										.96				.12		.81	.04		.10					T.		.38		.05		2.46
Florence 2	do											1.75	.50			.10			.68		.18					.10			.28				3.59
Georgetown	Coast					.03						1.30	.35						.30		T.	.90							T.				2.88
Kingstree ‖‖	Black												1.00						.47			.74											2.21
Mayesville (near)	do		T.			T.						.05	.95			T.	.02		.41		.03	.15					.28		.03	.01			1.93
Oaks	do		T.			T.						.09	1.24	.02		T.			.40		.05	.60				.01	.01			.10			2.52
Pinopolis	Cooper					.12						1.50	T.					.40			1.35					.05							3.42
Rimini ‖‖	Santee			T.		.04	.02					.04	1.06						1.58			.45								.15	.04		3.38
St. George ‖‖	Edisto			.02		.06	.25					.02	1.12						.24			.12				.02	.07				.05		1.97
St. Matthews ‖‖	Santee											.10	.90						.46											.12			1.58
Smiths Mills ‖‖	Pee Dee												1.05						.45			.90					.08			.20	.04		2.72
Society Hill ‖‖	do			T.			T.						.92	.06		.10		T.	.45			.07								.21	.10		1.91
Summerville	Ashley					.32	.05					.61	.33						.31		.36	.98				T.			T.	T.			2.96
Walterboro	Ashepoo					.45	.02					1.00							.30		.90	.22				T.	T.			.03	T.		2.92
Yemassee ‖‖	Combahee					.14							1.03						.35			.82											2.34
Western Portion.																																	
Aiken	Edisto					.30	.05					.90							.60							.10			.25	.10			2.30
Anderson	Savannah											1.11	.15			.10	.09	.75	1.43							.23			.65	2.11			6.62
Batesburg ‖‖	Edisto						T.					.11	.79				T.		.82			T.					.29			.73			2.74
Blairs ‖‖	Broad											.09	.69	.06					.94								.15			.88			2.81
Calhoun Falls ‖‖	Savannah												.39				.38		1.76								.22			1.93			4.68
Camden ‖‖	Wateree												1.26				.09		.32			.03					.04			.22			1.96
Catawba ‖‖	Catawba												.70	.15			.19	.05	1.17								.05			1.86			4.17
Chappells ‖‖	Saluda											.18	.74						.18								T			1.53			2.63
Clemson College	Savannah											1.35				.12	.23	.58	2.89							.21			.50	2.92			8.80
Columbia ***	Congaree					T.					T.	.89	T.			.01			.26		T.					T.			.21	.04			1.41
Edgefield ‖‖	Savannah											.40	.40						.70							.40				.35			2.25
Gaston Shoals ‖‖	Broad		T.										.80	.05			.16	.02	1.04								.19			2.77			5.03
Greenville ‖‖	Saluda						T.					.04	.96	.03			.15	.06	2.26								.16			2.86			6.52
Greenwood ‖‖	do											.18	.48	.21			.05		.81								.21			1.40			3.34
Heath Spring	Wateree												.42			T.	.20	.66											.78				2.06
Landrum	Broad					T.						.49	T.				.25	.28	.37							.21			.26	3.11			4.97
Liberty	Savannah					T.						1.02			T.	.10	.20	2.50								.20			.24	2.36		T.	6.62
Little Mountain	Saluda											.66	.20			T.	T.		.62							.10			.54	.34			2.46
Meriwether	Savannah					.10						.83				T.		.63			T.					T.			.85				2.41
Monetta	Edisto					.01						.82	.11			.01			.62		.02					.08			.46	.27			2.40
Mountain Rest	Savannah																		5‡20							.40			.87	3.61			10.08
Newberry	Saluda											.90	T.			.04	.03		.98							.25			.60	.40			3.20
Pelzer ‖‖	do						T.					.12	1.22				.24	.06	2.21								.24			2.88			7.00
Saluda	do											.90	.10						.77							.16			.43	.27			2.63
Santuck	Broad		T.									.81	.12			.13	.07		.85							.06			.70	1.50			4.24
Spartanburg ‖‖	do												.90	.02			.14		1.30								.17			2.80			5.33
Trenton	Edisto					T.						.80				.08			.69		T.												
Winthrop College	Catawba											.25		.25			.30		.97							.20			.58	1.20			3.75

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR DECEMBER.

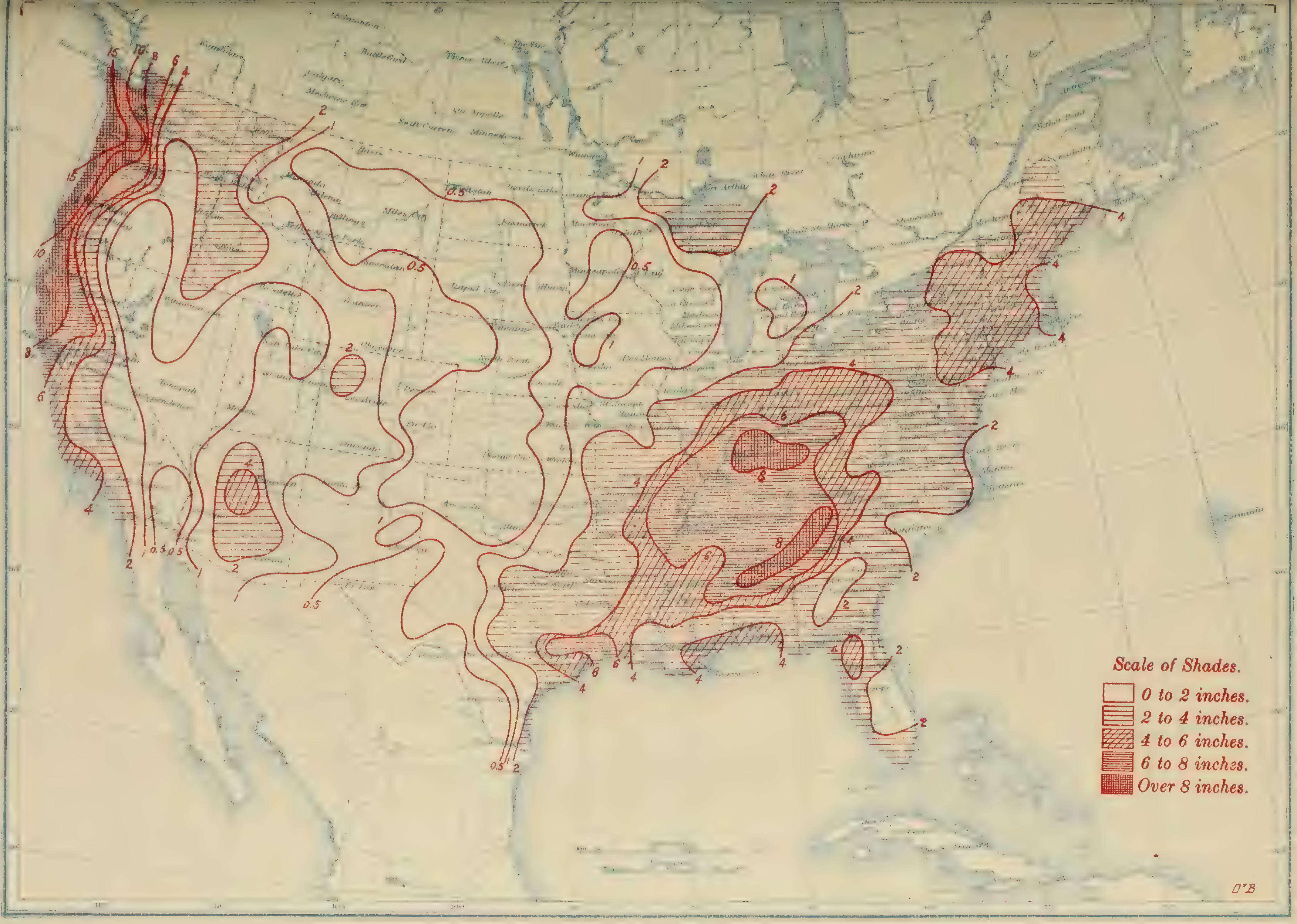
Year.	Temperature.			Precipitation.		Average number of days–			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	44.9	76	18	4.65	10				ne.-e.
1888	42.7	71	13	3.56	7				
1889	55.4	79	17	0.53	1				sw.
1890	45.9			2.25					
1891	49,9			1.91					
1892	47.1	76	6	2.45					
1893	47.2	79	17	3.05	6	17	7	7	sw.
1894	48.1	85	−1	2.56	7	15	8	8	nw.
1895	46.1	80	15	3.04	6	16	7	8	nw.
1896	44.0	83	8	3.55	7	17	6	8	ne.
1897	47.6	82	21	2.40	8	11	8	12	ne.
1898	45.9	77	9	2.84	8	12	7	12	nw.
1899	44.6	79	11	2.33	7	15	8	8	nw.
1900	45.5	79	18	5.64	8	14	7	10	n.
1901	44.0	80	2	5.01	11	13	5	13	n.
1902	46.8	85	10	4.26	7	14	6	11	nw.
Continued									
1903	41.0	72	10	1.95	6	20	5	6	w.
1904	45.5	78	16	2.79	9	14	5	12	w.
1905	45.2	77	16	7.25	10	12	4	15	ne.
1906	48.0	89	11	3.25	7	14	8	9	sw.
1907	46.2	75	12	5.81	10	14	7	10	w.
1908	50.6	83	23	2.84	7	13	9	9	w.
1909	42.8	84	7	2.81	7	17	7	7	nw.
1910	42.0	76	12	2.36	5	18	7	6	w.
1911	49.8	85	18	4.94	9	11	7	13	ne.
1912	48.8	79	18	2.88	8	12	5	14	sw.
1913	47.8	77	16	4.25	9	10	7	14	w.
1914	43.9	80	11	4.80	13	6	6	19	ne.
1915	44.2	79	17	3.27	7	18	5	8	w.
Period	46.4	89	−1	3.42	8	14	7	10	w.

Daily Temperatures for December, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Beaufort	Maximum	54	....	59	60	52	52	50	58	60	55	....	62	....	53	60	71	70	65	58	48	41	49	61	65	65	....	60	67	70	62	62	[d] 58.9
	Minimum	31	....	34	41	42	35	29	33	38	34	....	35	....	33	33	35	53	49	40	33	31	26	31	45	43	32	30	44	56	42	42	[c] 40.4
Blackville §§	Maximum	58	59	55	61	49	51	53	61	60	59	46	46	51	53	64	70	75	61	59	43	46	59	69	74	72	60	70	68	65	65	74	59.9
	Minimum	25	30	26	30	42	35	23	25	34	27	39	32	35	26	29	28	43	47	32	38	22	22	27	28	30	29	24	40	55	36	37	32.5
Bowman	Maximum	60	61	58	57	57	58	60	61	62	60	50	40	50	55	62	72	74	75	60	55	45	48	60	67	68	65	60	68	70	71	72	60.7
	Minimum	22	31	22	25	36	34	20	38	37	24	40	34	26	24	30	44	46	48	29	32	19	23	33	42	44	32	20	55	38	40	41	33.2
Centenary	Maximum	41	40	45	48	48	48	44	59	59	49	48	42	48	48	43	52	69	69	59	50	35	42	54	57	69	69	52	64	64	63	57	52.8
	Minimum	29	24	26	26	31	30	22	30	35	23	30	34	35	28	25	38	30	54	32	31	25	20	23	33	46	28	23	36	57	38	37	31.9
Charleston	Maximum	51	54	58	56	52	50	50	60	60	50	60	44	51	49	52	68	69	67	56	47	40	47	58	65	67	54	59	67	71	56	56	56 3
	Minimum	38	40	39	39	48	40	34	43	42	37	39	36	36	32	36	46	51	48	40	34	31	33	33	46	40	35	34	49	52	45	46	40.0
Cheraw §§	Maximum	48	56	53	53	44	46	50	60	54	52	44	35	49	47	42	46	72	60	54	40	52	44	62	62	70	54	60	68	68	60	58	53.3
	Minimum	27	32	33	28	38	28	26	34	38	28	36	32	33	28	30	38	36	58	33	35	27	24	30	40	50	32	29	43	56	38	36	34.7
Conway §§	Maximum	36	48	56	57	52	50	52	61	57	53	48	....	50	51	60	72	72	65	56	44	39	46	56	67	71	55	60	71	79	62	72	[a] 57.3
	Minimum	26	26	26	28	31	31	24	32	33	25	30	35	....	38	26	38	45	42	33	33	26	18	24	34	43	34	25	36	59	35	37	[a] 32.4
Darlington §§	Maximum	51	58	56	57	49	52	53	62	58	56	45	38	52	50	45	49	74	62	58	43	49	48	62	67	72	57	60	70	72	68	62	56.6
	Minimum	23	26	29	25	31	27	21	32	33	23	29	32	34	28	25	32	34	40	32	32	25	21	24	31	43	31	23	32	44	34	33	30.0
Dillon	Maximum	48	54	55	55	48	48	51	61	55	53	44	37	48	48	43	48	75	68	56	42	47	49	61	68	75	57	60	69	75	63	62	55.6
	Minimum	26	34	29	27	29	29	23	32	34	24	29	33	36	38	25	36	39	38	31	33	24	22	24	36	45	24	24	48	57	36	37	32.3
Ferguson §§	Maximum	64	58	58	48	48	48	51	49	59	54	54	48	48	49	51	64	67	59	57	44	43	48	60	70	74	70	61	69	72	63	63	57.1
	Minimum	28	28	28	29	32	36	28	28	35	32	34	39	38	30	42	41	41	57	43	42	32	23	24	25	40	42	32	32	51	39	39	35.2
Florence 1 §§	Maximum	46	56	58	58	49	52	52	63	57	52	45	37	49	51	43	51	74	64	53	42	40	48	61	64	72	43	59	68	73	62	62	55.0
	Minimum	27	28	31	30	30	29	25	27	33	27	28	33	33	28	26	29	39	43	35	35	26	24	24	27	39	32	25	31	45	39	37	31.2
Georgetown	Maximum	53	60	67	60	52	51	53	62	58	60	55	40	53	50	61	64	70	71	60	50	43	48	58	68	70	58	62	72	79	62	60	59.0
	Minimum	27	29	27	26	36	34	26	34	36	30	34	34	36	30	31	34	42	45	36	37	26	20	23	42	44	32	37	35	51	42	41	33.8
Kingstree §§	Maximum	61	55	56	57	56	49	56	62	58	53	48	49	51	49	47	62	73	63	56	44	42	47	59	68	73	54	60	71	74	62	62	57.3
	Minimum	25	28	25	26	33	32	24	24	32	25	28	34	35	27	28	30	37	43	32	34	25	20	24	29	44	32	24	29	49	37	38	30.7
Mayesville (near)	Maximum	50	55	56	57	56	49	51	61	59	58	51	42	54	50	50	61	75	71	57	48	44	48	61	69	74	70	66	68	72	69	61	58.5
	Minimum	26	29	26	26	32	29	22	30	40	22	31	33	34	26	26	39	37	51	31	31	23	20	24	35	42	28	23	41	55	35	34	31.6
Oaks	Maximum	52	56	57	58	50	50	53	62	59	55	49	46	47	50	62	75	....	69	59	44	42	49	58	70	74	65	60	73	75	66	60	[a] 58.2
	Minimum	24	26	25	26	31	32	23	30	34	24	30	35	37	29	34	38	....	49	33	32	22	17	23	34	44	31	23	36	59	39	36	[a] 31.9
St. George §§	Maximum	55	58	58	61	50	50	54	61	60	56	50	39	52	50	47	72	75	63	58	43	45	48	61	71	74	57	62	69	68	66	63	57.9
	Minimum	26	29	27	28	33	39	29	28	35	29	30	34	34	28	29	31	41	52	42	38	30	26	29	42	50	35	30	45	60	42	42	35.3
St. Matthews §§	Maximum	50	57	58	58	50	49	52	61	60	54	43	46	47	48	45	66	74	69	61	42	43	44	51	69	72	73	61	68	68	61	74	57.2
	Minimum	24	27	26	31	37	32	22	23	34	26	35	32	30	31	32	35	39	49	35	31	22	22	23	30	40	33	24	35	52	37	36	31.8
Society Hill §§	Maximum	....	....	....	53	54	47	51	60	56	51	47	40	49	48	43	47	74	62	55	42	45	49	60	68	73	57	59	69	70	59	57	[c] 55.2
	Minimum	28	....	33	25	32	22	32	34	24	27	32	33	27	24	29	34	40	32	32	26	20	22	31	36	30	25	38	43	35	33	37	[a] 30.5
Summerville	Maximum	52	54	56	52	48	49	51	60	59	53	55	55	51	48	48	70	73	69	56	45	43	47	57	68	71	56	61	70	71	64	62	57.3
	Minimum	27	30	29	31	39	33	27	36	34	29	34	35	33	28	31	41	42	54	34	34	26	20	26	40	44	30	27	42	59	39	40	34.6
Walterboro	Maximum	57	59	60	....	62	53	55	63	63	59	54	52	54	52	52	74	75	67	60	54	45	50	63	69	73	57	63	70	72	67	67	[a] 60.7
	Minimum	25	30	27	33	....	40	25	35	38	28	37	35	37	38	30	44	47	50	34	33	25	20	25	39	45	30	24	43	60	38	39	[a] 35.1
Yemassee §§	Maximum	57	58	58	61	50	53	55	62	61	59	58	40	52	50	55	74	77	64	58	42	47	50	63	68	75	57	63	72	72	67	64	59.4
	Minimum	24	34	26	33	29	44	22	34	34	26	35	34	35	26	30	48	48	45	31	36	23	18	24	42	42	27	24	41	65	38	36	34.0
Western Portion.																																	
Aiken	Maximum	....	55	53	59	50	50	51	....	58	55	48	37	50	48	46	70	74	67	57	51	46	50	62	....	69	....	59	62	68	62	60	[d] 56.1
	Minimum	....	28	27	30	40	34	25	....	33	26	33	29	33	25	30	39	46	45	30	30	22	25	31	....	39	....	26	44	52	36	40	[d] 33.3
Anderson	Maximum	52	56	52	56	50	52	51	62	60	55	45	35	49	49	40	47	56	59	57	44	48	50	67	66	60	54	49	47	64	61	61	53.4
	Minimum	29	36	27	29	40	29	26	34	33	25	30	29	30	26	29	36	37	41	29	32	23	25	33	39	33	27	30	37	43	32	37	31.8
Batesburg §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	27	30	35	30	34	29	24	29	30	23	27	23	26	23	27	34	40	47	28	30	22	24	29	34	36	24	30	33	39	33	36	30.2
Camden §§	Maximum	48	55	55	57	50	49	49	62	62	57	43	40	52	49	42	43	73	60	60	66	47	49	63	66	71	73	64	69	69	60	56	56.8
	Minimum	25	26	28	28	29	37	33	33	33	36	36	33	33	35	22	23	40	41	43	42	33	21	21	26	37	45	42	43	64	44	44	34.7
Clemson College	Maximum	47	52	57	52	51	51	51	60	68	54	50	38	48	47	47	47	51	60	53	52	43	54	53	58	58	50	54	53	62	55	55	52.6
	Minimum	30	38	26	28	40	29	24	36	35	25	34	34	36	30	31	32	40	47	30	35	22	23	29	38	40	31	28	30	41	34	34	32 6
Columbia	Maximum	47	54	54	57	48	48	49	60	56	53	43	36	49	48	42	57	73	66	56	43	46	48	63	67	70	54	60	64	68	60	59	54.8
	Minimum	30	35	34	31	40	31	25	38	37	27	33	32	33	29	32	41	37	41	34	34	27	26	31	45	38	30	31	44	45	39	40	34.5
Greenville §§	Maximum	50	52	51	55	46	53	50	62	56	52	36	36	48	50	38	43	59	55	53	39	46	50	60	65	57	52	57	62	55	59	58	51.8
	Minimum	24	29	24	24	25	24	21	22	29	23	24	29	30	20	20	26	30	36	26	27	21	22	22	27	37	23	24	25	33	32	33	26.2
Greenwood §§	Maximum	49	53	53	55	53	51	50	60	58	54	39	36	46	46	44	52	69	53	56	39	47	50	62	66	64	53	57	66	58	58	59	53.4
	Minimum	27	28	29	29	31	30	25	26	34	25	28	30	30	27	28	33	37	37	32	32	25	26	27	31	42	28	28	30	42	33	34	30.5
Heath Spring	Maximum	43	53	50	60	47	79	48	58	54	55	48	46	43	43	43	45	65	56	54	45	45	46	44	68	67	51	51	50	....	....	55	[b] 51.1
	Minimum	28	30	33	30	30	28	25	34	26	27	20	26	28	28	28	27	34	49	32	25	25	23	27	34	23	29	29	27	35	31	34	29.5
Landrum	Maximum	47	50	50	54	47	52	50	59	50	53	46	38	44	42	41	39	46	58	54	47	45	48	58	61	57	50	55	49	62	58	56	50.5
	Minimum	26	28	29	27	33	32	22	32	25	32	29	29	30	27	31	32	35	43	32	34	29	20	27	38	46	27	26	38	43	35	31	31.2
Liberty	Maximum	49	55	51	58	48	52	49	60	61	50	50	38	38	47	40	45	52	60	54	47	45	48	59	63	58	51	58	50	62	59	58	52.1
	Minimum	29	32	25	25	39	26	22	32	36	24	32	32	32	28	29	37	38	44	29	33	21	23	29	38	38	27	31	36	46	33	35	31.6
Little Mountain	Maximum	48	54	53	54	50	50	50	60	57	53	47	36	40	46	42	51	70	69	56	52	45	50	60	67	67	69	58	61	67	60	58	54.8
	Minimum	39	36	33	32	42	30	27	36	36	30	32	29	28	28	32	38	34	48	30	35	25	28	33	43	38	28	31	43	45	37	38	34.3
Meriwether	Maximum	53	56	53	54	52	52	51	60	58	65	49	49	48	49	45	71	73	58	50	42	48	55	64	69	69	56	56	60	65	68	62	56.8
	Minimum	23	31	27	30	43	33	24	31	36	26	36	32	36	29	33	41	40	30	30	32	22	22	26	39	39	30	23	30	35	40	35	31.7
Monetta	Maximum	51	53	53	58	52	49	52	59	56	56	50	34	47	46	44	68	72	68	55	50	47	50	62	67	67	52	59	61	67	63	59	55.7
	Minimum	28	33	31	31	40	33	27	34	34	29	34	31	33	28	33	39	42	49	33	33	25	24	32	41	40	29	29	41	48	37	38	34.2
Mountain Rest	Maximum	....	....	....	....	....	....	54	59	52	49	....	....	....	....	....	....	....	....	56	50	44	48	65	63	55	54	58	59	54	60	58	....
	Minimum	....	....	....	....	....	....	22	29	28	22	....	....	....	....	....	....	....	....	25	30	17	21	29	33	34	21	26	38	42	33	34	....
Newberry	Maximum	49	54	54	57	51	49	50	60	58	54	41	34	49	46	40	51	70	68	56	59	46	50	62	68	68	52	58	56	68	59	58	54.7
	Minimum	26	32	26	27	39	30	21	34	30	24	32	30	32	26	27	38	36	45	31	34	24	22	26	37	40	29	25	38	38	34	35	31.2
Saluda	Maximum	51	55	55	58	51	50	52	60	58	56	50	36	50	48	44	57	71	68	57	51	47	52	63	68	69	55	60	61	69	63	60	56.3
	Minimum	22	27	25	25	37	30	20	31	33	22	35	30	32	24	27	39	35	47	28	31	21	20	25	40	28	35	22	34	47	31	31	30.1
Santuck	Maximum	47	52	51	55	50	48	48	58	55	51	43	34	49	46	39	48	61	61	53	47	45	48	60	65	67	50	57	50	67	58	57	52.3
	Minimum	27	32	30	27	40	27	22	33	32	22	31	29	33	27	27	36	35	45	30	34	23	23	28	39	40	29	27	40	46	32	34	31.6
Spartanburg §§	Maximum	48	52	50	55	43	49	50	59	51	52	38	34	46	45	37	42	60	55	53	38	45	49	59	64	63	50	57	64	56	58	54	50.8
	Minimum	27	28	26	27	28	26	22	22	34	27	28	28	31	26	26	31	35	36	28	32	22	22	26	31	38	28	28	31	41	32	33	29.0
Trenton	Maximum	49	54	43	58	54	51	53	57	55	53	49	42	43	46	44	65	71	67	56	46	48	49	....	....	....	....	....	....	....	....	....	....
	Minimum	28	34	31	33	34	33	27	35	35	29	34	30	30	27	35	40	44	47	32	34	34	24	....	....	....	....	....	....	....	....	....	....
Winthrop College	Maximum	60	51	55	59	44	49	55	60	55	58	42	32	42	50	40	46	65	62	57	45	52	53	64	68	68	58	58	50	65	67	62	54.7
	Minimum	27	37	32	26	37	25	30	35	31	25	31	26	32	25	26	34	35	45	36	32	23	26	34	38	39	29	30	40	40	35	35	32.1

Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing: For example, ^{b} represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
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2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
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CLIMATOLOGICAL DATA

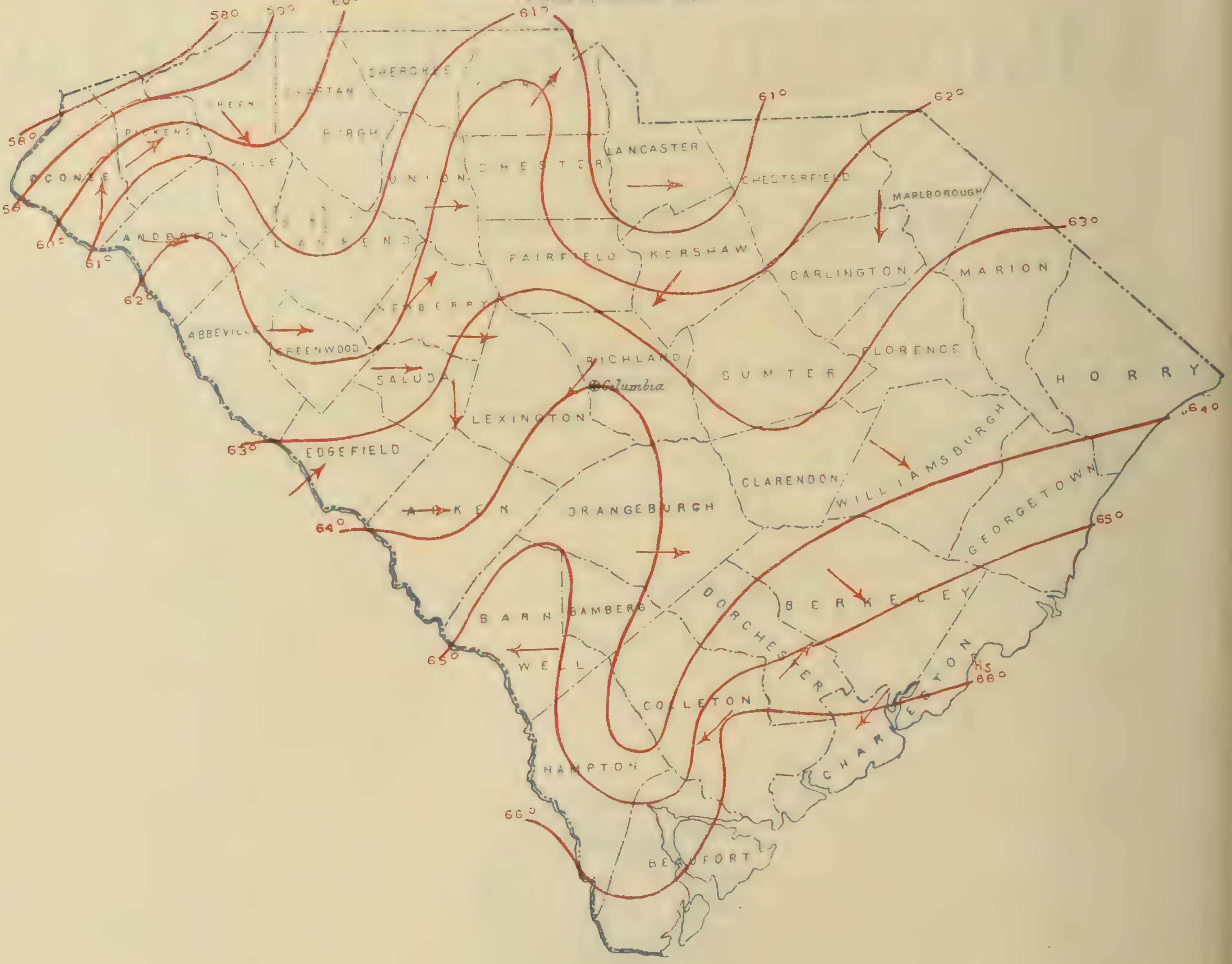
SOUTH CAROLINA SECTION

ANNUAL SUMMARY, 1915

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
February 15, 1916.

MEAN TEMPERATURE AND PREVAILING WINDS FOR THE YEAR OF 1915



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

VOL. XVIII. COLUMBIA, S. C., YEAR, 1915. No. 13.

GENERAL SUMMARY.

The year was noteworthy, not so much for annual temperature and precipitation departures as for periods of unseasonable cold and excessive heat, lack of rainfall when most needed during the growing season and the latest spring snows of record. March was colder than February and was the coldest month of the name by 3.7°. Precipitation during February, March and April ranged uniformly about 1 1-3 inches below normal, followed by a remarkably wet May, with damaging hailstorms and a number of destructive tornadoes. Recurring semi-drought during June and July, the latter being the driest month of the name on record, was followed by a wet August. Under stress of these changes, vegetation could not respond as in ordinary seasons, and cotton as a whole did not develop normal size and vigor of plant, except where sufficient fertilizer and intensive cultivation were employed. During July there was material deterioration of all crops, but the August rains greatly improved general conditions. September was marked by a long period of excessive heat, which caused cotton to open rapidly, with picking at a maximum. Mild weather during October and up to the killing frosts of the middle of November was favorable for full fruitage of all crops. The year closed with a typical winter month of sustained cold and more than the usual snowfall.

The last general spring killing frosts occurred during the first four days of April, or about 10 days later than in 1914. The first general autumn killing frosts occurred on November 16 and 17, or over two weeks later than in 1914. The average latest spring killing date for the Section in 1915 was April 1, or 10 days later than normal; average earliest autumn killing frost date, November 14, or 4 days later than normal. The growing season of 1915 was 227 days in length, or 6 days less than normal and 6 days longer than that of last year.

During the growing season, March to September, inclusive, the total rainfall was 28.85 inches, or 2.26 inches below the 29-year average and over 4 inches above the amount for the same period last year.

Freshets in the Pee Dee and Santee river districts during portions of seven months of the year were attended by unavoidable losses approximating $34,361, and the value of movable property saved by timely warnings of the Weather Bureau has been estimated at $249,140.

Annual mean temperature, 62.9°, or the same as the 29-year normal. The warmest month was July, with a mean of 80.9°, or 0.9° above normal; coldest month, December, with an average of 44.2°, or 2.2° below normal. The highest annual mean temperature at any station was 66.0° at Charleston; lowest, 59.5° at Greenville, Greenville Co. The highest temperature was 106° at Meriwether, Edgefield, Co., on July 31; lowest temperature, 17° at Mountain Rest, Oconee Co., on December 21, and at Oaks, Georgetown Co., on December 22.

The average annual precipitation was 48.89 inches, or 0.94 inch above the 29-year normal. The greatest annual amount at any station was 65.49 inches at Landrum, Spartanburg Co.; least annual amount, 35.12 inches at Little Mountain, Newberry Co. The greatest monthly amount at any station was 15.55 inches at Mayesville (near), Sumter Co., in May; least monthly amount, Trace, at Clemson College, Oconee Co., in April. Average annual number of days with measurable precipitation, 93; greatest annual number at any station, 118 at Walterboro, Colleton Co.; least annual number, 65 at Heath Spring, Lancaster Co.

The total annual amounts of snow ranged fron Trace to 10 inches, with an annual average of 3.1 inches. The snowfall occurred principally during the storms of the last part of March and the first part of April and on December 20 and 21.

The average annual atmospheric pressure, determined from reports of 7 regular Weather Bureau stations, was 30.06 inches. The highest pressure in the region covered by reports was 30.64 inches at Charlotte and Wilmington, N. C., on February 11, and in the Section proper, 30.62 at Columbia on the same date. The lowest pressure was 29.26 inches at Wilmington, N. C., on January 12, and in the Section proper, 29.37 inches at Columbia on November 18.

The average annual sunshine, determined from 7 automatic records, was 64% of the possible amount. The average annual number of clear days was 190; partly cloudy, 92, and cloudy, 83, as against normals of 167, 104 and 94 days, respectively.

The average annual relative humidity was as follows: 8 a. m., 80%; 8 p. m., 68%.

The prevailing winds were from the west. The average annual hourly velocity, determined from 7 anemometer records, was 8.3 miles. Highest annual velocity for any 5-minute period in the region covered by reports, 62 miles per hour from the northwest at Charlotte, N. C., on July 12 and from the southeast at Savannah, Ga., on November 18; highest 5-minute velocity in the Section proper, 54 miles per hour from the southeast at Charleston on November 18.

A slight earthquake occurred at Summerville, Dorchester Co., on December 12.

WEATHER BY MONTHS.

January.—January was a wet month, and the weather was generally unfavorable for field operations. Temperatures were near the seasonal average. Heavy rains about the 6th, 12th and 18th were followed by freshets in the Pee Dee and Santee river districts, and revised estimates placed the unavoidable losses at $28,541, while $97,060 worth of movable property was saved by timely flood warnings of the Weather Bureau.

February.—The weather during February was warmer than usual, and precipitation was considerably below normal, with rather long dry periods. However, the ground was in fine condition for cultivation, which progressed favorably. Unavoidable losses by freshets during the month, estimated at $520; movable property saved by flood warnings, $14,000.

Winter.—Mean temperature, 45.9°, or 0.3° below the normal determined for 29 years. Precipitation averaged 14.24 inches, or 2.93 inches above the 29-year normal.

March.—No previous March has shown such persistent cold, there being six periods during which the mean temperatures ranged 5° to 17° below normal. The monthly mean was 2.3° below that of February and 3.7° below the March record. The month closed with the latest spring snows of record at many points. In consequence of abnormal cold, all vegetation remained practically dormant. Losses by freshets during the month, estimated at $428; value of movable property saved by timely flood warnings, $15,780.

April.—The first few days of April were 12° to 19° colder than usual, but the succeeding warmth resulted in a monthly mean temperature above the seasonal average. Precipitation was much below normal, particularly after the cold period mentioned, when cold rains and the latest spring snows of record were prevalent. The growing season opened about two weeks late, and the last general killing frosts of spring occurred during the last four days. Semi-drought during the latter part of the month resulted in irregular germination of seed and unsatisfactory development of crops above ground.

May.—May was exceptionally stormy and wet. and farm work proceeded with considerable difficulty. Severe hailstorms occurred over several central and eastern counties on the 4th. Tornadoes over a number of central and northern counties on the 7th were attended by the death of 8 persons, injury to 128 and property damage estimated at $311,000. Thermal conditions were near the seasonal average.

Spring.—Mean temperature, 60.8°, or 2.0° below the normal determined for 29 years. Precipitation averaged 11.33 inches, or 1.10 inches above the 29-year normal.

June.—Temperature and precipitation during June were below normal. While the weather was generally too cool for cotton, other crops showed much improvement. Losses by freshets during the month, estimated at $3,562; value of movable property saved by flood warnings, $41,400.

(CONTINUED ON PAGE 104.)

COMPARATIVE DATA FOR SOUTH CAROLINA.

Year.	Temperature.			Precipitation.		Average number of days			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	62.3	110	5	43.43	101	......	......	......	......
1888	61.8	108	13	54.63	104	......	......	......	sw.
1889	62.0	102	10	46.76	86	......	......	......	se. †
1890	64.4	104	11	42.29	......	......	......	......	sw.
1891	63.0	......	13	47.52	......	......	......	......	......
1892	62.4	102	6	47.36	......	......	......	......	......
1893	63.0	104	3	53.68	98	......	......	......	sw.
1894	63.5	105	−1	50.49	105	154	123	88	sw.
1895	61.9	105	−6	48.99	88	154	116	95	sw.
1896	63.9	104	5	44.95	86	163	119	84	sw.
1897	63.3	107	3	46.40	99	158	102	105	sw.
1898	63.2	106	8	49.26	107	143	111	111	sw.
1899	62.8	105	−11	46.76	95	158	104	103	sw.
1900	63.2	106	1	49.79	96	167	99	99	sw.
1901	61.1	102	2	54.98	106	167	102	96	sw.
1902	62.6	107	10	46.43	98	172	99	94	sw.
1903	62.2	105	10	50.87	103	166	95	104	sw.
1904	61.7	105	8	40.98	95	188	87	91	sw. †
1905	62.6	107	0	45.10	92	169	85	111	sw. †
1906	63.3	102	11	54.81	107	159	103	93	sw.
1907	63.3	106	12	47.79	99	157	123	75	sw.
1908	63.7	100	12	53.33	94	169	114	83	sw.
1909	63.4	105	7	44.61	91	178	113	73	sw.
1910	62.7	103	11	45.31	91	181	111	73	sw.
1911	64.9	106	16	39.80	91	161	120	84	sw.
1912	62.5	109	6	54.32	102	177	70	119	sw.
1913	63.8	109	16	47.57	93	181	81	103	sw.
1914	62.5	108	11	43.39	96	163	110	92	w.
1915	62.9	106	17	48.89	93	190	92	83	w.
Period	62.9	110	−11	47.95	97	167	104	94	sw.

† Also other directions.

MONTHLY AND ANNUAL CLIMATOLOGICAL DATA FOR SOUTH CAROLINA, YEAR 1915.

Months.	Temperature.				Precipitation.			Relative humidity.		Percentage of possible sunshine.	Number of days.				Wind.	
	Mean.	Departures.	Highest.	Lowest.	Average.	Departures.	Greatest local monthly amount.	Average—8 a. m.	Average—8 p. m.		Rainy.	Clear.	Partly Cloudy.	Cloudy.	Average hourly velocity.	Prevailing direction.
January	45.1	−0.3	76	19	6.31	+2.89	9.53	82	71	42	9	12	6	13	8.3	ne.
February	48.6	+1.8	80	20	3.15	−1.31	7.38	78	62	62	6	15	6	7	9.4	n.
March	46.3	−8.3	81	22	2.66	−1.26	4.10	73	58	62	7	15	8	8	9.0	nw.
April	63.1	+0.8	96	25	1.47	−1.33	5.34	76	59	81	4	20	6	4	8.1	w.
May	73.0	+1.5	98	46	7.20	+3.69	15.55	79	72	58	11	11	11	9	9.0	w.
June	76.0	−1.6	103	49	4.26	−0.77	9.68	80	71	68	9	14	10	6	7.3	s.
July	80.9	+0.9	106	55	3.26	−2.25	7.42	81	71	69	8	18	10	3	7.5	sw.
August	78.8	0.0	102	52	7.62	+1.26	13.58	85	78	57	14	11	11	9	7.3	sw.
September	75.9	+1.6	102	43	2.38	−1.60	7.06	85	74	65	5	16	8	6	7.6	ne.
October	67.0	+3.8	93	27	4.95	+1.75	9.38	85	74	64	8	18	7	6	7.5	ne.
November	56.3	+2.5	88	24	2.36	+0.02	4.74	75	64	75	5	22	4	4	9.4	w.
December	44.2	−2.2	79	17	3.27	−0.15	10.08	79	67	65	7	18	5	8	8.7	w.
Annual	62.9*	0.0	106	17	48.89*	+0.94	15.55	80	68	64	93	190	92	83	8.3	w.

* From 29-year averages.

KILLING FROST OR FREEZING TEMPERATURE DATES AND GROWING DAYS.

Stations.	1915.		Averages—all records.		
	Last in spring.	First in autumn.	Last spring date.	First autumn date.	No. of growing days.
EASTERN PORTION.					
Allendale	Apr. 4	Nov. 16	Mch. 13	Nov. 16	248
Beaufort	Feb. 10	Dec. 1	Feb. 28	Nov. 30	275
Blackville	Apr. 4	Nov. 16	Mch. 19	Nov. 14	240
Bowman	Apr. 4	Nov. 16	Mch. 23	Nov. 5	227
Centenary	Apr. 5	Nov. 17	......	......	......
Charleston	Jan. 21	Dec. 14	Feb. 19	Dec. 11	295
Cheraw	Apr. 4	Nov. 16	Apr. 1	Nov. 3	216
Conway	Apr. 5	Nov. 17	Mch. 19	Nov. 8	228
Darlington	Apr. 5	Nov. 16	Mch. 29	Nov. 1	217
Dillon	Apr. 4	Nov. 16	Apr. 2	Nov. 1	213
Ferguson	Apr. 1	Nov. 16	Mch. 25	Nov. 7	227
Florence (1)	Apr. 4	Nov. 16	Mch. 22	Nov. 9	232
Georgetown	Apr. 1	Nov. 17	Mch. 10	Nov. 21	256
Kingstree	Apr. 4	Nov. 17	Mch. 13	Nov. 19	251
Mayesville (near)	......	Nov. 16	......	......	......
Oaks	Apr. 5	Nov. 17	......	......	......
Pinopolis	Apr. 2	Nov. 17	Mch. 4	Nov. 29	270
St. George	Mch. 25	Nov. 16	Mch. 9	Nov. 15	251
St. Matthews	Apr. 4	Nov. 16	Mch. 13	Nov. 14	246
Society Hill	Apr. 4	Nov. 3	Mch. 19	Nov. 10	236
Summerville	Apr. 4	Nov. 17	Mch. 15	Nov. 14	244
Walterboro	Apr. 4	Nov. 16	Mch. 15	Nov. 9	239
Yemassee	Apr. 4	Nov. 17	Mch. 11	Nov. 14	248
Normal	......	......	Mch. 16	Nov. 14	243
Averages for 1915	Mch. 29	Nov. 81	......	......	234
WESTERN PORTION.					
Aiken	Apr. 4	Nov. 16	Mch. 30	Nov. 10	225
Anderson	Apr. 4	Nov. 16	Mch. 28	Nov. 4	221
Batesburg	Apr. 4	Nov. 16	Mch. 29	Nov. 11	227
Camden	Apr. 5	Nov. 16	Mch. 22	Nov. 8	231
Clemson College	Apr. 4	Nov. 16	Apr. 3	Oct. 31	211
Columbia	Apr. 4	Nov. 16	Mch. 20	Nov. 18	243
Greenville	Apr. 4	Oct. 10	Apr. 6	Nov. 1	209
Greenwood	Apr. 4	Nov. 16	Mch. 23	Nov. 9	231
Heath Spring	Apr. 5	Nov. 16	Mch. 27	Oct. 31	218
Landrum	Apr. 4	Oct. 10	......	......	......
Liberty	Apr. 4	Nov. 16	Apr. 1	Nov. 1	214
Little Mountain	Apr. 4	Nov. 16	Mch. 24	Nov. 12	233
Meriwether	Apr. 4	Nov. 16	Mch. 23	Nov. 2	224
Monetta	Apr. 4	Nov. 16	Mch. 25	Nov. 4	224
Mountain Rest	......	Oct. 10	......	......	......
Newberry	Apr. 4	Nov. 16	Mch. 30	Nov. 1	216
Saluda	Apr. 4	Nov. 4	Apr. 3	Nov. 2	213
Santuck	Apr. 4	Nov. 16	Apr. 4	Oct. 29	208
Spartanburg	Apr. 4	Nov. 3	Mch. 25	Nov. 1	221
Trenton	Mch. 24	Nov. 16	Mch. 17	Nov. 16	244
Winnsboro	Apr. 4	......	Mch. 27	Nov. 14	232
Winthrop College	Apr. 4	Nov. 16	Mch. 28	Nov. 7	224
Normal	......	......	Mch. 27	Nov. 6	224
Averages for 1915	Apr. 4	Nov. 10	......	......	220
Section Normal	......	......	Mch. 22	Nov. 10	233
Section averages for 1915	Apr. 1	Nov. 14	......	......	227

NOTE.—Killing frost data in above table determined according to the following standard: Last or first clear or partly cloudy day with temperature of 32° or lower and last or first cloudy day with 31° or lower, but without rain, sleet or snow; in case of precipitation, then the next succeeding day with proper temperature and weather was used. The average number of growing days is the difference between the average spring and autumn killing frost dates.

Climatological Data for the Year 1915.

		Temperature (degrees Fahrenheit).							Precipitation (inches).									Sky.		
Stations.	Counties.	Elevation, feet.	Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall.	Number rainy days.	Number clear days.	Number partly cloudy days.	Number cloudy days.	Prevailing direction of wind.
EASTERN PORTION.																				
Allendale	Barnwell	186	29	......	104	July 19	25	Feb. 10	34	46.85	10.48	Aug.	0.88	Apr.	1.0	89	150	85	130	e.
Beaufort	Beaufort	21	28	......	94	July 13†	26	Dec. 22	30	....	9.99	May	1.64	Apr.	1.0	......	......	......	......	......
Blackville	Barnwell	296	28	65.4	105	July 31	22	Dec. 21†	32	50.93	9.68	June	1.18	Apr.	1.5	87	195	83	87	......
Bowman	Orangeburg	160	15	63.9	103	July 19	19	Dec. 21	15	56.10	13.13	May	1.55	Apr.	3.2	94	238	74	53	w.
Centenary	Marion	43	......	......	102	July 17†	......	....	......	....	13.58	Aug.	1.52	Dec.	......	......	......	......	......	......
Charleston	Charleston	48	45	66.0	97	July 13	31	Dec. 21	45	46.55	8.92	May	1.13	Apr.	2.5	99	169	108	88	ne-s.
Cheraw	Chesterfield	144	29	62.2	99	July 30	22	Jan. 22	33	46.57	7.26	Aug.	1.55	Nov.	7.5	109	......	......	......	......
Conway	Horry	25	19	63.2	98	July 17	18	Dec. 22	28	61.11	11.85	May	2.13	Nov.	6.5	79	......	......	......	......
Darlington	Darlington	175	18	62.4	102	July 30†	21	Feb. 11†	21	43.59	12.65	Aug.	0.42	Sept.	3.8	94	192	56	117	......
Dillon	Dillon	100	19	62.9	101	July 18†	22	Dec. 22	17	48.29	9.63	Aug.	1.62	Dec.	2.8	98	......	......	......	......
Edisto ‡‡	Bamburg	143	......	......	......	....	......	....	28	46.05	7.92	May	1.58	Apr.	2.0	93	......	......	......	......
Effingham	Florence	106	......	......	......	....	......	....	25	....	10.73	Aug.	1.45	Dec.	3.0	......	......	......	......	......
Ferguson	Orangeburg	63	28	......	100	July 18	23	Jan. 29†	30	55.72	10.13	May	1.89	Apr.	2.4	88	......	......	......	......
Florence 1	Florence	136	29	62.8	103	July 31	24	Dec. 22†	34	52.77	10.89	Aug.	1.01	Sept.	0.1	89	......	......	......	......
Florence 2	Florence	136	......	......	......	....	......	....	34	....	13.05	Aug.	1.16	Sept.	......	......	......	......	......	......
Georgetown	Georgetown	12	23	65.5	99	June 21†	20	Dec. 22	23	59.35	12.41	May	1.05	Apr.	9.0	68	......	......	......	......
Kingstree	Williamsburg	54	29	......	101	July 19	20	Dec. 22	34	60.01	8.39	Jan.	2.21	Dec.	0.3	84	226	46	93	nw.
Mayesville (near)	Sumter	70	......	......	104	July 19	......	....	......	....	15.55	May	1.07	July	......	......	......	......	......	......
Oaks	Georgetown	......	......	......	98	July 19	17	Dec. 22	......	....	10.32	Aug.	1.75	Nov.	......	......	......	......	......	......
Pinopolis**	Berkeley	54	19	......	94	June 21†	25	Dec. 22	69	51.74	10.13	Aug.	1.15	Apr.	5.0	85	......	......	......	nw.
Rimini	Clarendon	97	......	......	......	....	......	....	5	46.60	9.55	May	1.46	Apr.	1.5	96	......	......	......	......
St. George	Dorchester	109	29	......	102	July 15†	......	....	34	....	8.90	May	1.43	Apr.	......	......	......	......	......	......
St. Matthews	Calhoun	269	29	64.0	101	July 18	21	Feb. 18	34	39.92	8.00	May	0.65	Nov.	4.0	82	......	......	......	s.
Smiths Mills	Georgetown	62	......	......	......	....	......	....	20	59.85	10.44	May	1.76	Nov.	4.0	106	......	......	......	......
Society Hill	Darlington	192	25	62.1	102	July 18	20	Jan. 21†	25	46.37	10.50	Aug.	1.26	Nov.	7.7	93	159	158	48	n.
Summerville	Dorchester	75	18	64.6	97	July 18	20	Dec. 22	18	58.71	9.01	May	1.95	Mch.	6.5	113	114	216	35	sw.
Walterboro	Colleton	69	13	65.8	101	July 18	20	Dec. 22	13	52.92	10.19	Aug.	1.54	Apr.	2.5	118	195	87	83	......
Yemassee	Hampton	24	22	64.2	99	July 18†	18	Dec. 22	27	50.53	11.04	May	1.10	Apr.	3.5	97	226	62	77	ne.
Division means and extremes.		......	......	64.0	105	July 31	17	Dec. 22	......	51.27	15.55	May	0.42	Sept.	3.6	94	184	101	80	w.
WESTERN PORTION.																				
Aiken	Aiken	527	26	63.4	102	July 31	22	Jan. 21†	50	48.84	9.03	Aug.	0.75	Apr.	2.2	86	192	115	58	w.
Anderson	Anderson	764	28	61.9	104	July 31	22	Jan. 21	32	48.77	7.75	Aug.	0.33	Apr.	1.2	104	233	11	121	w.
Batesburg	Lexington	656	28	......	101	July 31	22	Dec. 21	32	43.86	6.16	June	0.44	Apr.	0.8	76	252	36	77	n-se.
Blairs	Fairfield	293	......	......	......	....	......	....	11	38.65	6.00	Jan.	0.99	Sept.	1.0	90	......	......	......	......
Calhoun Falls	Abbeville	508	......	......	......	....	......	....	24	40.54	5.52	May	0.47	Apr.	1.0	75	......	......	......	......
Camden	Kershaw	222	10	......	104	July 31	21	Dec. 22†	50	37.12	5.64	May	0.78	Sept.	5.0	95	212	74	79	ne.
Catawba	York	562	......	......	......	....	......	....	10	45.34	6.77	Jan.	0.69	Sept.	3.6	97	......	......	......	......
Chappells	Newberry	402	......	......	......	....	......	....	11	39.59	5.72	Jan.	1.15	Apr.	0.8	80	......	......	......	......
Clemson College	Oconee	850	21	60.9	100	July 31	22	Jan. 5†	24	55.09	6.97	Jan.	T.	Apr.	2.2	83	......	......	......	s.
Columbia	Richland	351	29	63.6	100	July 18	25	Dec. 7	29	36.20	6.02	Jan.	0.96	Sept.	0.7	105	183	87	95	ne.
Edgefield	Edgefield	......	......	......	......	....	......	....	3	36.42	6.43	Aug.	0.65	Apr.	0.8	71	......	......	......	......
Gaston Shoals‡‡	Cherokee	680	......	......	......	....	......	....	3	52.04	7.19	Aug.	0.72	Apr.	3.0	103	......	......	......	......
Greenville	Greenville	989	24	59.5	100	July 31	19	Jan. 21	32	53.96	8.33	Aug.	0.57	Apr.	5.0	107	169	112	84	nw.
Greenwood	Greenwood	671	29	61.2	102	July 31	20	Jan. 13	32	39.44	5.40	Jan.	0.66	Apr.	2.0	79	......	......	......	w.
Heath Springs	Lancaster	568	14	60.2	99	July 16†	22	Feb. 9	14	36.84	6.64	Jan.	1.14	Sept.	T.	65	123	169	73	w.
Landrum	Spartanburg	1063	1	59.6	100	July 31	20	Jan. 21†	1	65.49	8.89	Jan.	0.40	Apr.	6.9	108	205	92	68	......
Liberty	Pickens	900	23	61.0	102	July 31	20	Feb. 9	23	61.15	10.25	Aug.	0.17	Apr.	10.0	106	179	113	73	sw.
Little Mountain	Newberry	711	23	63.3	101	July 17†	24	Jan. 21†	23	35.12	5.58	May	0.84	Apr.	5.0	85	225	55	85	w.
Meriwether	Edgefield	450	13	63.7	106	July 31	22	Feb. 10†	13	42.38	5.54	June	0.97	Apr.	1.0	70	......	......	......	......
Monetta	Saluda	400	9	63.4	102	July 31	24	Dec. 22	9	43.96	6.29	Aug.	0.97	Apr.	0.8	106	142	164	59	sw.
Mountain Rest	Oconee	1380	......	......	......	....	17	Dec. 21	......	....	10.08	Dec.	......	......	......	......	......	......	......	......
Newberry	Newberry	502	24	62.4	102	July 15†	21	Dec. 7	29	44.74	5.95	May	1.20	Apr.	5.0	105	95	165	105	sw.
Pelzer	Anderson	850	......	......	......	....	......	....	12	51.38	8.32	Aug.	0.20	Apr.	1.5	90	......	......	......	......
Saluda	Saluda	536	14	62.5	105	July 31	20	Dec. 22	14	43.33	6.60	Jan.	1.35	Apr.	1.0	91	251	45	69	w.
Santuck	Union	512	23	61.5	104	July 31	22	Jan. 21†	23	47.25	7.17	Aug.	1.14	Apr.	2.8	101	172	116	77	w.
Spartanburg	Spartanburg	875	28	60.1	103	July 31	21	Feb. 9	34	48.21	8.55	Aug.	0.86	Sept.	3.8	86	......	......	......	......
Trenton	Edgefield	620	23	......	104	July 31	......	....	23	....	6.24	June	1.32	July	......	......	......	......	......	......
Winnsboro	Fairfield	545	27	......	......	....	......	....	29	....	7.10	May	0.40	Apr.	......	......	......	......	......	......
Winthrop College ‡‡	York	690	16	61.6	102	July 31	21	Feb. 9	16	48.04	6.89	Aug.	1.00	Nov.	2.0	73	125	181	59	sw.
Division means and extremes.		......	......	61.8	106	July 31	17	Dec. 21	......	46.36	10.25	Aug.	T.	Apr.	2.8	89	191	91	83	w.
Section means and extremes.		......	......	62.9	106	July 31	17	Dec. 21†	......	48.89	15.55	May	T.	Apr.	3.1	93	190	92	83	w.

† On other dates also.
** Temperature data are from observed readings of the dry bulb; means are computed from observed readings.
‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

Monthly and Annual Precipitation for the Year 1915, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
EASTERN PORTION.																										
Allendale	5.69	+2.84	2.69	-1.46	1.46	-2.33	0.88	-1.67	6.85	+3.48	2.68	-2.72	4.54	-0.92	10.48	+4.72	2.48	-1.45	5.08	+2.68	2.17	+0.43	1.85	-0.96	46.85	+ 2.63
Beaufort	5.59	+2.74	1.96	-2.64	2.79	-0.86	1.64	-1.18	9.99	+6.25	4.91	-0.98	7.42	+1.34	.....	.....	2.78	-1.69	4.96	+1.62	2.30	-0.01	2.70	-0.49	.....	.....
Blackville	5.63	+2.73	2.97	-1.36	1.45	-2.17	1.18	-2.06	6.66	+3.20	9.68	+4.06	2.14	-3.15	7.90	+2.13	2.79	-1.58	6.72	+3.71	1.73	-0.34	2.08	-1.43	50.93	+ 3.74
Bowman	8.06	+4.94	3.47	-0.73	1.70	-2.09	1.55	-1.93	13.13	+9.72	1.24	-4.50	1.88	-3.66	11.71	+5.79	2.47	-0.99	5.55	+2.80	1.88	-0.09	3.46	-0.06	56.10	+ 8.80
Centenary	.....	.....	.....	.....	.....	.....	2.41	.....	9.01	.....	2.74	.....	2.62	.....	13.58	.....	2.84	.....	2.54	.....	2.40	.....	1.52	.....	.....	.....
Charleston	7.44	+3.99	2.53	-0.88	2.83	-0.89	1.13	-1.86	8.92	+5.45	4.52	-0.87	2.98	-4.28	5.40	-1.57	2.07	-3.39	4.27	+0.34	1.65	-1.22	2.81	-0.34	46.55	- 5.52
Cheraw	4.76	+1.94	2.32	-2.00	3.29	-0.43	2.69	-0.09	6.84	+3.27	3.28	-2.08	4.75	-1.03	7.26	+0.55	2.83	-0.79	5.23	+2.38	1.55	-0.64	1.77	-1.49	46.57	- 0.41
Conway	8.08	+4.67	2.49	-2.08	2.95	-0.75	2.24	-0.67	11.85	+8.48	3.90	-1.19	6.31	-0.18	7.88	+0.82	6.85	+2.00	3.81	+0.31	2.13	-0.15	2.62	-0.58	61.11	+10.68
Darlington	3.15	+0.65	2.88	-2.29	3.22	-0.19	1.80	-1.40	4.02	+0.62	4.66	-1.42	2.66	-2.18	12.65	+7.53	0.42	-3.48	5.02	+2.08	1.22	-1.07	1.89	-0.78	43.59	- 2.13
Dillon	7.70	+4.83	2.88	-1.51	3.06	-0.41	3.12	+0.36	6.29	+3.05	2.03	-3.05	2.96	-2.27	9.63	+4.88	2.78	-1.34	3.90	+0.13	2.32	+0.78	1.62	-1.63	48.29	+ 2.52
Edisto	6.59	+3.52	3.64	-1.32	1.67	-2.39	1.58	-1.86	7.92	+4.95	4.01	-2.54	1.87	-3.48	7.23	+0.99	1.63	-2.03	6.28	+3.91	1.84	+0.45	1.79	-1.93	46.05	- 2.73
Effingham	5.86	+2.72	3.05	-2.37	2.72	-1.35	3.15	-0.03	6.30	+2.93	2.42	-3.93	4.15	-0.34	10.73	+4.32	.....	.....	6.56	+3.51	1.77	-0.47	1.45	-1.85	.....	.....
Ferguson	8.87	+5.48	2.44	-1.59	2.32	-1.12	1.89	-0.90	10.13	+6.03	4.77	-1.07	3.47	-2.35	9.10	+1.79	3.56	-0.27	3.27	+0.29	3.06	+0.91	2.84	-0.17	55.72	+ 7.04
Florence 1	6.03	+3.29	3.24	-1.16	3.32	+0.27	2.62	-0.28	9.58	+6.02	2.56	-2.85	2.76	-2.66	10.89	+5.35	1.01	-3.12	6.40	+3.28	1.90	-0.34	2.46	-0.57	52.77	+ 7.23
Florence 2	.....	.....	3.20	-1.20	2.85	-0.20	2.00	-0.90	6.71	+3.15	3.03	2.38	2.87	-2.55	13.05	+7.51	1.16	-2.97	4.29	+1.17	1.54	-0.70	3.59	+0.56	.....	.....
Georgetown	9.53	+6.01	3.05	-1.21	2.18	-1.30	1.05	-2.08	12.41	+9.52	3.90	-1.85	5.20	-1.58	7.40	+1.50	5.88	+1.58	2.87	-0.74	3.00	+0.69	2.88	-0.67	59.35	+ 8.87
Kingstree	8.39	+5.42	2.46	-1.76	2.54	-0.91	5.34	+2.37	7.61	+4.34	3.49	-2.01	6.14	+0.44	7.96	+1.54	7.06	+3.30	4.51	+1.69	2.30	+0.04	2.21	-0.41	60.01	+14.05
Mayesville (near)	.....	.....	.....	.....	.....	.....	.....	.....	15.55	.....	3.56	.....	1.07	.....	7.85	.....	2.17	.....	4.64	.....	1.63	.....	1.93	.....	.....	.....
Oaks	.....	.....	.....	.....	.....	.....	1.79	.....	10.20	.....	6.15	.....	5.52	.....	10.32	.....	2.20	.....	4.49	.....	1.75	.....	2.52	.....	.....	.....
Pinopolis	8.09	+5.01	2.42	-1.12	1.45	-2.26	1.15	-1.78	7.88	+4.16	1.99	-3.90	4.17	-1.92	10.13	+5.50	2.35	-2.28	6.32	+3.17	2.37	-0.08	3.42	+0.48	51.74	+ 3.28
Rimini	6.02	.....	2.87	.....	2.16	.....	1.46	.....	9.55	.....	2.22	.....	1.86	.....	7.43	.....	3.12	.....	4.76	.....	1.77	.....	3.38	.....	46.00	.....
St. George	.....	.....	1.71	-2.42	1.49	-0.96	1.43	-1.71	8.90	+5.62	3.82	-1.61	4.18	-1.83	7.58	+1.10	1.81	-2.25	6.45	+4.09	2.12	+0.20	1.97	-1.29	.....	.....
St. Matthews	5.18	+1.89	2.17	-2.73	1.71	-1.85	1.33	-1.92	8.00	+4.39	2.77	-3.20	1.93	-3.63	7.94	+2.21	2.44	-0.90	4.22	+1.55	0.65	-1.49	1.58	-1.68	39.92	- 7.36
Smith Mills	7.59	+4.80	2.95	-1.55	2.18	-1.64	2.29	-0.98	10.44	+6.51	4.86	-0.35	6.64	+0.70	8.72	+1.58	5.50	+1.46	4.20	+0.59	1.76	-0.49	2.72	-0.88	59.85	+ 9.75
Society Hill	5.64	+2.73	2.94	-1.86	3.30	-0.03	2.39	-0.82	5.83	+2.61	3.35	-2.63	3.13	-2.81	10.50	+4.54	1.44	-2.62	4.68	+1.55	1.26	-1.01	1.91	-1.35	46.37	- 1.95
Summerville	7.71	+4.61	2.37	-2.07	1.95	-1.48	2.01	-1.47	9.01	+6.00	8.90	+3.14	4.14	-1.88	8.47	+0.51	2.24	-2.08	6.10	+2.16	2.85	-0.09	2.96	-0.59	58.71	+ 6.76
Walterboro	6.51	+3.48	1.91	-2.21	1.91	-1.99	1.54	-1.65	8.72	+3.07	4.73	-0.94	5.00	-2.34	10.19	+3.18	2.23	-2.63	5.37	+2.11	1.89	+0.04	2.92	-0.43	52.92	+ 1.69
Yemassee	5.27	+2.48	1.69	-2.34	2.30	-1.27	1.10	-1.87	11.04	+7.74	4.31	-1.75	4.19	-2.55	8.34	+1.65	2.23	-2.01	4.84	+1.90	2.88	+0.82	2.34	-1.01	50.53	+ 1.79
Division means and departures.	6.67	+3.67	2.65	-1.77	2.35	-1.19	2.02	-1.07	8.90	+5.02	3.86	-1.86	3.81	-1.88	9.21	+2.97	2.83	-1.06	4.58	+1.94	1.99	-0.16	2.40	-0.81	51.27	+ 3.00
WESTERN PORTION.																										
Aiken	3.95	+0.36	2.37	-1.75	1.85	-2.16	0.75	-2.37	5.45	+2.05	8.35	+3.63	2.45	-2.09	9.03	+3.20	2.90	-0.37	6.29	+3.46	3.15	+0.41	2.30	-1.46	48.84	+ 3.11
Anderson	5.29	+1.18	4.35	-1.02	2.71	-1.87	0.33	-3.05	4.83	+1.30	5.37	-0.21	2.66	-2.23	7.75	+2.20	2.63	-0.64	3.65	+0.81	2.58	-0.26	6.62	+2.14	48.77	- 2.30
Batesburg	6.08	+2.90	2.81	-2.93	2.41	-2.15	0.44	-2.47	5.08	+2.66	6.16	+1.08	2.08	-3.35	5.49	+1.53	1.95	-1.94	4.98	+1.73	3.64	+1.12	2.74	-1.12	43.86	- 7.50
Blairs	6.00	.....	3.13	-0.56	3.60	-0.08	1.15	-0.99	4.32	+1.85	3.20	-1.96	1.79	-3.18	4.64	-0.33	0.99	-2.09	4.51	+1.89	2.51	+0.01	2.81	-1.79	38.65	.....
Calhoun Falls	5.23	+1.41	2.98	-2.18	2.16	-2.66	0.47	-3.11	5.52	+1.99	2.85	-2.02	3.93	-0.81	5.45	+0.59	1.58	-2.42	3.68	+0.83	2.01	-0.31	4.68	+0.26	40.54	- 7.96
Camden	5.37	+2.20	2.22	-2.65	2.67	-1.18	1.89	-0.87	5.64	+2.75	1.94	-3.23	2.81	-3.27	5.45	-0.96	0.78	-3.14	4.31	+1.32	2.08	0.00	1.96	-1.53	37.12	-10.31
Catawba	6.77	.....	3.65	-0.80	4.01	-0.40	1.67	-0.89	5.10	+1.78	4.53	-1.20	4.05	-1.65	4.80	-1.10	0.69	-3.11	3.78	+0.08	2.12	-0.55	4.17	-0.36	45.34	.....
Chappells	5.72	.....	3.28	-0.47	2.83	-0.82	1.15	-1.17	5.13	+2.92	4.00	-0.85	1.50	-3.08	5.12	-0.49	1.21	-2.05	4.72	+2.06	2.30	-0.10	2.63	-2.36	39.59	.....
Clemson College	6.97	+2.42	6.35	+0.93	3.28	-1.56	T.	-4.57	5.95	+2.54	2.85	-2.32	2.67	-2.50	5.97	+0.53	3.10	-0.91	6.17	+3.06	2.98	+0.22	8.80	+3.67	55.09	+ 1.51
Columbia	6.02	+2.73	2.25	-2.34	2.33	-1.37	1.22	-1.64	5.62	+2.43	3.74	-0.44	2.31	-3.75	4.56	-2.22	0.96	-2.49	3.88	+1.03	1.90	-0.33	1.41	-1.49	36.20	- 9.88
Edgefield	5.37	.....	2.90	.....	2.25	.....	0.65	.....	4.33	.....	3.03	.....	1.33	.....	6.43	.....	1.30	.....	4.78	.....	1.80	.....	2.25	.....	36.42	.....
Gaston Shoals	5.83	.....	3.85	.....	3.81	.....	0.72	.....	6.59	.....	5.06	.....	4.47	.....	7.19	.....	1.49	.....	5.13	.....	2.87	.....	5.03	.....	52.04	.....
Greenville	6.29	+2.04	5.56	+0.28	2.93	-2.57	0.57	-3.12	6.33	+2.01	3.89	-1.32	3.06	-2.57	8.33	+1.29	1.74	-2.46	5.82	+2.86	2.92	-0.26	6.52	+2.02	53.96	- 1.80
Greenwood	5.40	+1.81	3.09	-1.72	2.41	-1.66	0.66	-2.36	4.84	+1.22	2.88	-1.74	3.64	-1.45	4.37	-1.00	1.14	-1.68	4.77	+1.95	2.90	+0.15	3.34	+1.14	39.44	- 8.59
Heath Spring	6.64	+3.39	2.04	-2.24	3.52	-0.15	1.26	-0.66	5.75	+2.56	2.61	-3.00	2.18	-2.07	4.04	-2.31	1.14	-2.04	3.15	+0.52	2.45	+0.05	2.06	-2.20	36.84	- 9.15
Landrum	8.89	.....	7.38	.....	3.26	.....	0.40	.....	6.21	.....	8.63	.....	3.47	.....	6.17	.....	4.24	.....	7.67	.....	4.20	.....	4.97	.....	65.49	.....
Liberty	7.76	+3.23	5.54	-0.25	3.12	-2.29	0.17	-4.46	6.29	+1.61	5.26	-0.14	3.97	-1.82	10.25	+4.09	3.69	-0.37	6.11	+2.35	2.37	-0.42	6.62	+0.86	61.15	+ 2.65
Little Mountain	4.46	+1.40	2.32	-2.47	2.76	-1.11	0.81	-2.33	5.58	+3.15	3.29	-1.32	1.15	-3.59	4.11	-0.76	1.39	-1.57	4.40	+1.39	2.36	-0.15	2.46	-0.88	35.12	- 8.24
Meriwether	5.19	+2.25	2.85	-1.73	2.80	-1.66	0.97	-1.96	5.27	+2.79	5.54	+0.81	1.98	-2.90	4.85	-0.01	2.16	-0.91	5.40	+3.05	2.96	+0.28	2.41	-1.66	42.38	- 1.65
Monetta	5.90	.....	2.54	.....	2.05	.....	0.97	.....	5.05	.....	6.12	.....	3.94	.....	6.29	.....	1.35	.....	4.52	.....	2.83	.....	2.40	.....	43.96	.....
Mountain Rest	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.18	.....	5.21	.....	5.34	.....	9.38	.....	4.74	.....	10.08	.....	.....	.....
Newberry	5.92	+1.84	3.93	-0.68	3.32	-1.35	1.20	-1.36	5.95	+2.58	4.79	+0.44	4.31	-0.44	3.72	-1.65	1.63	-2.69	3.77	+0.95	3.00	+0.16	3.20	-1.04	44.74	- 3.31
Pelzer	5.42	+1.68	4.22	-0.26	3.00	-0.90	0.20	-3.34	5.60	+1.86	3.64	-0.88	4.28	-1.02	8.32	+3.83	2.02	-1.19	5.20	+1.89	2.48	-0.07	7.00	+1.54	51.38	+ 3.14
Saluda	6.60	+3.36	3.24	-1.67	2.75	-1.47	1.35	-1.12	5.38	+2.84	5.85	+0.83	1.41	-2.80	4.65	-1.22	2.28	-2.02	3.81	+0.77	3.38	+0.83	2.63	-1.38	43.33	- 2.03
Santuck	6.58	+3.12	3.63	-1.31	3.85	-0.61	1.14	-2.14	5.28	+2.33	3.66	-0.56	2.47	-2.48	7.17	+1.35	2.24	-1.23	3.22	-0.03	3.77	+0.96	4.24	-0.04	47.25	- 0.64
Spartanburg	6.22	+2.56	3.81	-0.87	3.09	-1.71	1.18	-2.09	4.40	+0.33	4.18	-0.94	1.98	-2.43	8.55	+2.62	0.86	-2.69	5.86	+3.09	2.75	-0.03	5.33	+0.88	48.21	- 1.28
Trenton	.....	.....	.....	.....	3.04	-0.25	2.65	-0.64	5.18	+1.99	6.24	+1.57	1.32	-4.34	5.61	-0.87	1.78	-1.75	6.19	+3.61	2.63	+0.05	.....	.....	.....	.....
Winnsboro	.....	.....	3.16	-1.14	4.10	+0.04	0.40	-2.37	7.10	+4.00	5.98	+1.33	2.58	-1.34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Winthrop College	5.85	+2.83	3.72	-0.40	3.31	-0.75	2.10	-0.92	6.12	+1.96	5.70	+0.32	2.42	-2.66	6.89	+0.87	1.86	-1.26	5.32	+3.20	1.00	-1.36	3.75	-0.84	48.04	+ 1.10
Division means and departures.	5.99	+2.25	3.63	-1.23	2.97	-1.32	0.95	-2.08	5.44	+2.17	4.62	-0.50	2.74	-2.42	6.09	+0.08	1.94	-1.78	5.02	+1.82	2.81	+0.02	4.16	-0.26	46.36	- 3.25
Section means and departures.	6.31	+2.89	3.15	-1.31	2.66	-1.26	1.47	-1.33	7.20	+3.69	4.26	-0.77	3.26	-2.25	7.62	+1.26	2.38	-1.60	4.95	+1.75	2.36	+0.02	3.27	-0.15	48.89	+ 0.94

The departures from the normal precipitation are computed only for such stations as have ten or more years of record.
T. Precipitation is less than .01 inch of rain or melted snow.

Monthly and Annual Mean Temperatures for the Year 1915, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
EASTERN PORTION.																										
Allendale	46.6	− 1.1	49.9	+ 1.7	44.7	−12.9	65.2	+ 1.2	76.3	+ 3.1	78.3	− 1.5	82.8	+ 1.5	81.2	+ 0.8	77.8	+ 1.7	68.8	+ 4.0	57.0	+ 1.9	.....	.....	.....	.....
Beaufort	50.4	− 0.4	[a]51.4	− 0.2	[a]50.4	− 8.7	[c]62.2	− 2.9	[e]74.8	+ 1.1	[a]76.5	− 2.9	80.5	− 0.8	.....	.....	.....	.....	[a]70.6	+ 3.3	[a]61.0	+ 2.4	[d]49.6	− 2.1	.....	.....
Blackville	46.9	− 0.2	50.4	+ 3.2	48.4	− 9.6	66.4	+ 2.3	76.4	+ 2.9	78.1	− 1.6	83.7	+ 2.0	81.6	+ 1.0	78.4	+ 2.6	69.2	+ 4.6	59.3	+ 3.8	46.2	− 1.1	65.4	+ 0.8
Bowman	47.3	− 0.7	50.6	+ 3.2	47.6	−10.5	62.2	− 2.0	73.6	+ 1.2	76.5	− 1.7	81.8	+ 1.4	79.1	− 0.3	76.3	+ 1.5	67.6	+ 3.4	57.0	+ 2.9	47.0	− 0.1	63.9	− 0.1
Centenary	.....	.....	.....	.....	.....	.....	.....	.....	73.0	.....	77.8	.....	81.8	.....	79.4	.....	77.2	.....	68.6	.....	56.7	.....	42.4	.....	.....	.....
Charleston	49.7	+ 0.4	51.5	− 0.2	49.6	− 7.6	63.3	− 0.5	75.5	+ 3.1	78.0	− 0.5	82.2	+ 0.9	82.0	+ 1.7	79.2	+ 3.0	70.8	+ 3.7	61.4	+ 3.3	48.2	− 3.1	66.0	+ 0.4
Cheraw	44.0	+ 0.7	48.4	+ 5.9	44.4	− 9.5	62.8	+ 1.9	71.4	+ 0.7	75.2	− 2.1	80.5	+ 0.6	78.1	− 0.6	75.8	+ 2.5	[b]66.4	+ 4.9	55.6	+ 3.5	44.0	− 0.1	62.2	+ 0.7
Conway	46.7	− 1.3	[a]49.6	+ 2.4	[a]45.2	−11.7	[a]62.6	+ 0.2	73.2	+ 2.2	[a]75.7	− 1.7	81.0	+ 1.0	[b]78.6	− 0.7	[e]75.4	+ 0.4	[e]68.2	+ 4.2	56.8	+ 2.7	[a]44.8	− 3.1	63.2	− 0.4
Darlington	44.2	− 1.4	47.8	+ 3.2	45.2	−11.1	62.6	+ 1.0	72.0	+ 1.6	[b]75.5	− 1.4	[b]81.1	+ 1.2	78.1	− 0.7	76.2	+ 1.7	67.4	+ 4.0	[e]55.3	+ 3.0	43.3	− 1.6	62.4	− 0.1
Dillon	46.8	− 1.0	49.3	+ 4.0	[b]45.7	−10.6	62.8	+ 1.6	71.2	− 0.3	[a]75.2	− 2.1	[d]80.8	+ 0.3	78.4	− 1.0	76.1	+ 1.3	[a]67.8	+ 4.0	[a]56.8	+ 3.9	44.0	− 2.5	62.9	0.0
Ferguson	46.6	− 0.7	48.9	+ 2.3	47.3	− 9.0	62.8	+ 0.7	74.8	+ 3.7	76.4	− 0.7	[l]81.5	+ 2.1	81.1	+ 2.9	.....	.....	70.8	+ 7.5	59.4	+ 4.3	46.2	− 2.0	.....	.....
Florence 1	43.6	− 1.4	48.6	+ 3.0	45.2	−10.8	63.3	+ 1.4	72.4	− 0.2	76.5	− 2.0	82.1	+ 0.7	79.4	− 1.0	76.4	+ 1.6	67.8	+ 4.4	[c]55.6	+ 1.5	43 1	− 1.8	62.8	− 0.4
Georgetown	48.5	+ 0.1	52.2	+ 3.7	47.6	−10.3	63.0	+ 0.5	75.4	+ 3.2	77.6	− 1.0	83.4	+ 2.8	82.1	+ 2.0	79.8	+ 3.9	70.4	+ 4.9	60.0	+ 4.0	46.4	− 2.8	65.5	+ 0.8
Kingstree	47.6	− 0.1	49.3	+ 1.9	44.8	−12.6	.....	.....	73.8	+ 1.6	76.8	− 1.4	82.0	+ 1.4	79.9	− 0.1	76.8	+ 1.6	68.3	+ 3.7	57.0	+ 2.1	44.0	− 3.2	.....	.....
Mayesville (near)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	76.3	.....	[j]82.0	.....	79.2	.....	76.4	.....	[b]68.0	.....	57.2	.....	45.0	.....	.....	.....
Oaks	.....	.....	.....	.....	.....	.....	[c]63.1	.....	[b]73.6	.....	75.0	.....	[a]80.1	.....	[a]79.2	.....	[b]75.4	.....	.....	.....	[c]56.6	.....	[a]45.0	.....	.....	.....
Pinopolis	48.7	+ 1.4	50.1	+ 2.0	47.1	− 9.6	62.2	+ 0.1	73.6	+ 2.7	75.6	− 1.0	81.1	+ 2.7	80.2	+ 2.1	75.9	+ 1.8	67.4	+ 3 3	.....	.....	44.1	− 3.8	.....	.....
St. George	.....	.....	[c]53.3	+ 6.1	48.4	− 9.5	64.8	+ 1.1	[b]75.7	+ 2.7	[a]78.3	− 0.3	82.6	+ 1.7	80.6	+ 0.7	78.1	+ 2.9	69.4	+ 5.0	58.9	+ 3.7	46.6	− 1.1	.....	.....
St. Matthews	46.9	− 1.6	49.2	+ 3.3	47.9	− 8.2	63.8	+ 1.2	[a]73.5	+ 1.5	77.0	− 0.8	82.4	+ 2.4	81.4	+ 2.0	76.9	+ 2.3	68.0	+ 4.2	[b]56.8	+ 2.3	44.5	− 1.8	64.0	+ 0.5
Society Hill	44.9	+ 1.0	48.4	+ 4.0	46.0	− 9.2	63.6	+ 1.8	72.0	+ 1.0	74.6	− 2.5	78.4	− 1.1	77.7	− 0.7	77.0	+ 3.8	65.9	+ 4.2	54.4	+ 2.2	[c]42.8	− 2.3	62.1	+ 0.1
Summerville	48.4	− 0.7	51.7	+ 2.9	49.0	− 9.7	63.2	− 0.1	75.0	+ 3.0	76.6	− 0.8	81.0	+ 1.1	79.8	+ 0.6	77.0	+ 2.0	68.6	+ 3.7	58.6	+ 3.2	46.0	− 2.6	64.6	+ 0.2
Walterboro	[b]51.3	+ 0.2	52.1	+ 1.7	49.8	−11.0	[b]61.9	− 3.3	76.0	+ 3.0	[a]77.6	− 0.8	[a]81.8	+ 1.7	81.2	+ 0.8	[c]78.7	+ 1.8	[e]70.7	+ 4.2	[b]60.2	+ 3.1	[a]47.9	− 2.4	65.8	0.0
Yemassee	47.0	− 0.9	50.2	+ 1.8	48.0	−10.2	62.4	− 0.8	74.7	+ 1.7	76.7	− 2.1	80.2	− 0.8	80.0	− 0.2	76.7	+ 1.2	68.5	+ 3.8	59.3	+ 4.2	46.7	− 1.0	64.2	− 0.3
Division means and departures.	47.2	− 0.4	50.0	+ 2.7	47.2	−10.2	63.2	+ 0.2	74.0	+ 2.0	76.7	− 1.4	81.5	+ 1.2	79.9	+ 0.5	76.9	+ 2.1	68.8	+ 4.4	57.7	+ 3.1	45.4	− 2.1	64.0	+ 0.2
WESTERN PORTION.																										
Aiken	45.6	− 1.4	48.8	+ 2.0	47.7	− 8.5	[a]64.2	+ 0.6	74.2	+ 1.6	76.0	− 2.7	80.6	− 0.6	79.2	− 1.1	76.4	− 0.1	[b]67.0	+ 1.5	[c]56.6	+ 2.0	[d]44.7	− 3.0	63.4	− 0.8
Anderson	43.0	+ 0.1	46.2	+ 2.7	45.2	− 1.0	64.8	+ 4.0	72.1	+ 2.2	76.0	− 0.2	80.4	+ 1.3	77.2	+ 0.7	75.4	+ 2.0	65.2	+ 3.1	54.6	+ 2.6	42.6	− 1.4	61.9	+ 1.2
Batesburg	43.8	− 1.7	48.3	+ 2.0	47.9	− 7.2	63.3	+ 1.8	72.6	+ 1.0	75.4	− 2.4	80.0	+ 0.3	78.0	− 0.8	74.1	+ 0.2	65.4	+ 2.4	55.5	+ 2.2	.....	.....	.....	.....
Camden	45.0	.....	48.9	.....	45.2	.....	62.2	.....	72.3	.....	76.6	.....	80.6	.....	79.3	.....	77.0	.....	69.0	.....	.....	.....	45.8	.....	.....	.....
Clemson College	42.9	+ 0.9	47.0	+ 4.5	46.8	− 6.1	61.8	+ 2.4	71.0	+ 1.9	[b]73.3	− 2.5	[g]78.4	0.0	[e]76.2	− 1.6	72.8	0.0	63.8	+ 2.5	54.4	+ 4.0	42.6	− 0.1	60.9	+ 0.4
Columbia	45.4	+ 0.3	49.2	+ 0.9	46.6	− 7.4	64.8	+ 2.0	73.1	+ 1.3	76.2	− 2.0	81.3	+ 0.2	79.3	− 0.2	76.8	+ 3.1	68.2	+ 4.2	57.2	+ 3.4	44.6	− 2.6	63.6	+ 0.4
Greenville	41.1	+ 0.4	44.1	+ 3.6	43.8	− 9.6	61.2	+ 3.8	69.6	+ 2.2	73.8	+ 0.1	78.8	+ 2.6	75.4	− 0.5	72.5	+ 1.8	[c]63.2	+ 2.8	51.8	+ 2.4	39.0	− 2.2	59.5	+ 0.8
Greenwood	43.1	+ 0.7	46.1	+ 3.8	44.2	− 9.2	63.4	+ 2.7	71.0	− 0.4	74.4	− 3.5	79.7	− 0.3	77.3	− 1.6	74.8	+ 1.5	64.8	+ 2.8	53.8	+ 2.1	42.0	− 0.6	61.2	− 0.2
Heath Spring	41.8	− 1.3	47.0	+ 5.0	43.5	−10.6	61.2	+ 0.8	69.1	− 1.7	73.2	− 3.9	78.8	− 1.6	75.9	− 3.5	73.8	0.0	64.4	+ 2.9	53.3	+ 2.4	[b]40.3	− 1.6	60.2	− 1.1
Landrum	[a]40.9	.....	44.9	.....	44.6	.....	61.8	.....	68.9	.....	72.2	.....	77.6	.....	74.8	.....	72.2	.....	63.4	.....	52.6	.....	40.8	.....	59.6	.....
Liberty	41.6	− 0.7	45.8	+ 3.5	44.4	− 8.4	62.4	+ 2.2	72.2	+ 1.8	75.8	− 0.8	79.8	+ 0.7	77.2	− 0.5	73.6	+ 0.7	64.4	+ 3.6	53.5	+ 3.0	41.8	− 0.9	61.0	+ 0.3
Little Mountain	44.0	− 1.3	49.0	+ 3.8	46.5	− 9.6	64.4	+ 2.5	73.0	+ 0.8	75.7	− 2.2	82.7	+ 2.4	78.7	− 0.7	76.8	+ 1.8	[b]67.8	+ 3.7	56.4	+ 2.3	44.6	− 1.0	63.3	+ 0.2
Meriwether	45.6	− 1.0	48.4	+ 2.0	47.2	− 9.6	64.7	+ 2.2	74.8	+ 4.0	77.6	+ 0.1	82.0	+ 1.8	[h]80.2	+ 2.4	75.1	+ 0.2	67.8	+ 4.4	56.4	+ 3.7	44.2	− 2.0	63.7	+ 0.7
Monetta	45.2	.....	49.4	.....	46.8	.....	63.0	.....	73.8	.....	76.0	.....	[d]80.6	.....	79.3	.....	[b]76.8	.....	67.4	.....	57.4	.....	45.0	.....	63.4	.....
Mountain Rest	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[i]75.8	.....	72.2	.....	69.8	.....	62.5	.....	[c]53.0	.....	.....	.....	.....	.....
Newberry	43.2	− 0.4	47.0	+ 3.2	45.6	− 9.0	63.4	+ 2.2	73.0	+ 1.6	76.2	− 2.6	81.4	+ 0.9	79.0	− 0.3	76.4	+ 2.3	66.2	+ 3.7	55.0	+ 2.3	43.0	− 1.8	62.4	+ 0.2
Saluda	43.9	− 1.5	47.7	+ 1.4	45.8	−11.4	63.4	+ 0.9	72.7	+ 1.1	75.4	− 2.2	[b]81.6	+ 1.1	79.0	− 0.4	76.7	+ 2.3	66.4	+ 3.6	54.6	+ 1.6	43.2	− 2.5	62.5	− 0.6
Santuck	42.3	− 0.7	46.0	+ 3.4	44.5	− 9.1	62.2	+ 2.0	71.7	+ 0.9	75.4	− 1.3	[a]81.6	+ 2.0	77.6	− 1.0	75.6	+ 2.2	65.2	+ 3.7	53.6	+ 2.4	42.0	− 1.2	61.5	+ 0.3
Spartanburg	40.6	− 1.0	44.8	+ 2.5	43.6	− 8.0	62.0	+ 2.2	69.8	− 0.3	74.1	− 2.8	80.0	+ 0.6	76.7	− 1.7	74.0	+ 1.5	64.0	+ 3.0	52.2	+ 1.3	39.9	− 2.1	60.1	− 0.4
Trenton	.....	.....	.....	.....	46.2	−10.4	64.4	+ 1.4	72.4	0.0	75.6	− 2.9	80.7	+ 0.2	78.2	− 1.3	76.0	+ 0.7	67.5	+ 3.1	57.3	+ 2.4	.....	.....	.....	.....
Winnsboro	42.0	− 1.7	46.4	+ 1.2	43.4	−10.2	62.2	+ 1.1	70.8	− 0.4	73.4	− 3.3	79.4	− 0.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Winthrop College	43.0	− 0.5	46.4	+ 3.7	44.2	− 9.7	62.7	+ 2.2	72.6	+ 2.4	76.0	0.0	80.2	+ 0.3	77.6	− 1.1	74.6	+ 1.4	64.4	+ 2.5	54.0	+ 2.3	43.4	+ 0.3	61.6	+ 0.3
Division means and departures.	43.3	− 0.6	47.1	+ 2.9	45.4	− 6.2	63.1	+ 2.0	71.9	+ 1.1	75.1	− 1.8	80.3	+ 0.8	77.6	− 0.7	74.8	+ 1.3	65.6	+ 3.1	54.6	+ 2.5	42.8	− 1.5	61.8	+ 0.2
Section means and departures.	45.1	− 0.3	48.6	+ 1.8	46.3	− 8.3	63.1	+ 0.8	73.0	+ 1.5	76.0	− 1.6	80.9	+ 0.9	78.8	0.0	75.9	+ 1.6	67.0	+ 3.8	56.3	+.2.0	44.2	− 2.2	62.9	0.0

The departures from the normal temperature are computed only for such stations as have ten or more years of record.
Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.

Monthly Maximum Temperatures for the Year 1915, with Dates.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.
EASTERN PORTION.																								
Allendale	71	31	76	15	78	26	93	30	96	26	100	21	104	19	96	27	98	11	89	† 1	84	† 2	.....	.....
Beaufort	66	† 23	[a] 70	† 13	[a] 70	† 29	[c] 87	29	[e] 93	16	[a] 93	22	94	† 13	.....	.....	.....	.....	[a] 89	5	80	† 1	[d] 71	16
Blackville	70	16	77	14	79	26	96	28	98	15	101	21	105	31	102	1	102	11	91	† 3	88	9	75	17
Bowman	70	31	80	15	80	26	94	30	95	† 15	99	21	103	19	101	1	98	† 10	90	3	82	† 2	75	18
Centenary	.....	.....	.....	.....	.....	.....	92	30	93	16	99	22	102	† 17	96	1	96	11	89	4	82	2	69	† 17
Charleston	67	31	73	15	74	26	84	30	96	16	93	20	97	13	96	25	95	10	86	1	83	12	71	29
Cheraw	66	15	74	14	76	26	92	26	92	16	96	† 20	99	30	97	1	96	11	86	† 1	82	† 2	72	17
Conway	71	31	[a] 72	† 1	[a] 77	26	[a] 91	30	95	16	[a] 95	† 21	98	17	[b] 93	† 9	[e] 95	† 9	89	† 6	81	† 1	[a] 79	29
Darlington	68	15	75	14	78	26	93	30	95	17	[b] 98	20	102	† 30	100	1	98	11	88	† 3	[e] 86	9	74	17
Dillon	71	† 6	77	15	[b] 73	26	91	26	92	17	[a] 99	22	[d] 101	† 18	98	1	95	10	[a] 89	26	[a] 81	9	75	25
Ferguson	74	31	78	16	78	26	93	30	94	16	96	22	100	18	96	† 1	.....	.....	86	† 8	81	9	74	25
Florence 1	64	6	74	† 14	72	26	94	30	93	† 17	99	† 20	103	31	101	1	98	11	93	14	[c] 86	2	74	17
Georgetown	72	31	74	15	80	26	88	† 20	95	† 16	99	21	99	17	[a] 96	† 10	98	† 10	88	† 1	86	12	79	29
Kingstree	70	31	75	14	68	† 15	92	30	94	16	98	22	101	19	95	† 1	96	11	89	† 1	81	† 1	74	29
Mayesville (near)	.....	.....	.....	.....	.....	.....	.....	.....	93	† 15	98	22	[a] 104	19	99	1	97	11	89	† 3	82	† 2	75	17
Oaks	.....	.....	.....	.....	.....	.....	[a] 93	30	[a] 95	16	[b] 94	† 21	[a] 98	19	[a] 93	27	[b] 93	10	.....	.....	[c] 83	12	[a] 75	16
Pinopolis	64	8	70	1	68	29	86	30	90	† 16	94	21	94	† 12	92	† 10	90	† 8	86	5	[b] 78	14	70	17
St. George	.....	.....	[c] 76	† 14	80	26	95	30	[b] 98	26	[a] 100	† 21	102	† 15	98	25	100	11	93	3	84	† 2	75	17
St. Matthews	69	16	74	† 15	80	26	95	30	[c] 96	26	99	20	101	18	99	1	99	12	90	3	[b] 84	† 2	74	† 17
Society Hill	71	31	75	13	79	25	92	† 25	96	15	101	21	102	18	97	1	98	† 9	88	14	84	1	[c] 74	17
Summerville	72	31	74	† 14	79	26	90	30	91	† 16	96	22	97	18	93	† 24	93	9	87	16	80	12	73	17
Walterboro	[b] 72	31	77	14	81	26	[b] 94	30	96	† 25	[a] 97	21	[a] 101	18	[b] 95	† 11	[b] 98	11	[d] 90	3	[a] 86	1	[a] 75	17
Yemassee	76	7	75	14	79	26	95	30	95	† 15	98	21	99	† 18	95	† 10	95	† 9	90	3	85	† 9	77	17
Division extremes	76	7	80	14	81	26	96	28	98	† 15	101	21	105	31	102	1	102	11	93	† 3	88	9	79	29
WESTERN PORTION.																								
Aiken	68	31	71	15	72	26	[a] 92	30	94	† 15	97	21	102	31	100	1	98	11	[b] 87	15	[c] 82	9	[d] 74	17
Anderson	68	7	69	22	78	26	94	27	95	15	99	22	104	31	101	1	97	† 10	86	† 2	84	2	67	23
Batesburg	65	16	72	14	76	27	91	30	92	15	95	22	101	31	98	1	97	12	87	17	83	9	.....	.....
Camden	66	16	74	15	78	26	93	30	94	26	103	22	104	31	102	1	97	† 10	88	2	85	10	73	17
Clemson College	64	18	71	24	72	26	86	27	88	† 15	[b] 92	22	100	31	[e] 95	2	88	11	80	16	76	† 2	68	9
Columbia	65	6	72	14	76	26	90	30	93	26	97	22	100	18	96	1	98	11	86	3	82	9	73	17
Greenville	64	13	69	22	76	26	91	26	91	26	94	22	100	31	93	† 1	95	12	[c] 86	2	83	9	65	24
Greenwood	68	† 17	68	† 13	75	26	90	† 26	91	16	94	† 20	102	31	96	1	95	† 10	84	16	82	9	69	17
Heath Spring	63	15	69	14	74	26	91	30	89	26	97	22	99	† 16	95	1	99	10	85	4	82	2	[b] 68	24
Landrum	[a] 64	13	66	22	74	26	92	† 26	95	16	94	13	100	31	97	1	93	11	85	16	83	9	62	29
Liberty	63	† 18	69	14	73	26	93	† 26	94	† 15	96	22	102	31	92	1	94	10	85	16	81	9	63	24
Little Mountain	64	† 6	71	14	77	26	91	30	93	† 15	97	† 21	101	† 17	98	1	98	12	[b] 85	3	81	9	70	17
Meriwether	69	6	72	14	77	26	93	27	95	† 2	100	21	106	31	[h] 101	1	100	11	89	2	84	10	73	17
Monetta	66	16	71	14	76	26	90	† 27	94	15	96	20	102	31	98	1	98	† 10	86	† 3	83	9	72	17
Mountain Rest	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	95	31	91	1	90	† 10	83	2	[c] 80	9	.....	.....
Newberry	67	16	71	14	77	26	92	† 26	95	15	100	20	102	† 15	97	1	100	11	86	16	83	† 2	70	17
Saluda	66	15	71	21	76	26	92	30	96	15	[a] 97	22	105	31	98	1	101	11	90	† 2	83	2	71	17
Santuck	63	† 16	69	14	76	26	92	26	92	† 16	99	22	[a] 104	31	101	1	97	10	84	† 2	80	2	67	† 25
Spartanburg	64	16	68	22	72	26	94	26	93	† 16	94	† 11	103	31	101	1	95	† 10	86	† 16	81	† 2	64	† 24
Trenton	.....	.....	.....	.....	.....	.....	90	27	92	15	99	20	104	31	94	15	96	† 10	87	† 15	80	9	[i] 71	17
Winnsboro	65	18	71	14	75	26	90	† 26	90	26	93	22	99	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Winthrop College	63	† 6	69	14	73	26	95	26	95	† 25	95	22	102	31	99	1	94	10	85	16	80	† 2	68	† 24
Division extremes	69	6	74	16	78	26	96	26	96	15	103	22	106	31	102	1	101	11	90	† 2	85	10	74	17
Section extremes	76	7	80	14	81	26	96	† 26	98	† 15	103	22	106	31	102	1	102	11	93	† 3	88	9	79	29

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.
† On other dates also.

WEATHER BY MONTHS.—*Continued.*

(CONTINUED FROM PAGE 100.)

July.—No previous July was as dry as that of 1915. Periods of cool nights were offset by periods of excessively hot days, and the monthly mean temperature was somewhat above normal. Crops deteriorated materially under these conditions during the last two decades, and cotton as a whole was not as large or strong in plant as in former seasons, due principally to cool nights and lack of needed rainfall.

August.—In direct contrast to the preceding month, August was unusually wet, a condition that retarded the proper development of cotton and materially interfered with outdoor work. On the other hand, other crops showed much improvement over the July condition. A tornado at Greenville, Greenville Co., on the 20th caused the death of one negro man and property damage estimated at $45,000. A freshet in the Santee System between the 12th and 20th caused little or no damage; value of movable property saved by flood warnings, estimated at $8,200. Temperatures were near the seasonal average.

Summer.—Mean temperature, 78.6°, or 0.2° below the normal determined for 29 years. Precipitation averaged 15.14 inches, or 1.76 inches below the 29-year normal.

September.—A recurring semi-drought during September was not materially relieved until the showers of the 30th. As a result of marked change from cool, wet weather to excessive heat and maximum sunshine, with a persistent heat wave from the 7th to the 20th, cotton opened rapidly, and picking became general. The weather was especially favorable for harvesting large crops of good hay and fodder.

October.—The weather during October was unusually mild and open, with abundant moisture generally and but few damaging frosts. Losses by freshets during the month, estimated at $573; value of movable property saved by timely flood warnings, $22,200.

Monthly Minimum Temperatures for the Year 1915, with Dates.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.
EASTERN PORTION.																								
Allendale	27	† 21	25	10	29	23	31	† 1	53	6	61	3	62	26	65	7	53	23	41	10	26	30	......	......
Beaufort	32	† 22	[a] 32	† 9	[a] 35	† 8	[c] 37	3	[e] 54	5	[a] 62	2	67	25	......	......	......	......	[a] 43	10	35	30	[c] 26	22
Blackville	25	† 21	25	10	25	23	31	4	54	6	58	† 2	62	26	63	7	52	25	37	10	28	† 16	22	† 21
Bowman	24	1	21	10	24	23	30	1	49	6	57	5	56	26	62	8	53	23	37	10	25	17	19	21
Centenary	......	......	......	......	......	......	......	......	50	2	55	24	60	26	63	† 7	60	2	46	24	24	30	20	22
Charleston	32	21	33	9	34	23	37	1	60	6	60	4	70	27	69	31	63	23	46	10	35	30	31	21
Cheraw	22	22	24	9	28	† 9	30	4	50	† 2	55	4	59	26	60	23	48	23	34	10	28	16	24	22
Conway	25	2	[a] 26	10	[a] 24	31	[a] 30	1	54	† 2	[a] 58	† 5	65	25	[a] 64	† 7	[e] 54	23	[e] 38	10	28	30	[a] 18	22
Darlington	22	22	21	11	24	† 2	29	1	49	2	[b] 55	5	58	26	61	† 7	47	23	36	10	[e] 25	17	21	† 7
Dillon	25	† 2	24	9	[a] 25	18	31	4	50	2	[a] 57	† 4	[d] 60	† 3	[a] 63	† 7	50	23	[a] 38	11	[a] 25	30	22	22
Ferguson	23	29	26	† 10	26	2	30	1	58	† 10	57	4	[l] 69	† 24	62	29	56	† 23	44	11	27	17	23	22
Florence 1	25	22	25	9	27	18	31	4	54	2	57	† 4	62	† 25	62	† 8	50	23	38	10	[c] 28	† 17	24	† 22
Georgetown	27	† 3	[a] 26	10	29	18	31	1	54	6	57	6	68	24	64	7	57	23	41	10	31	30	20	22
Kingstree	25	22	25	11	24	18	......	......	55	† 1	58	† 4	63	26	61	7	54	23	40	10	28	17	20	22
Mayesville (near)	......	......	......	......	......	......	......	......	......	......	[a] 56	6	[j] 58	26	61	† 6	51	26	[b] 44	9	26	† 17	20	22
Oaks	......	......	......	......	[q] 24	18	[c] 29	1	[b] 50	1	[b] 58	4	[a] 64	26	[a] 62	7	[b] 53	23	40	10	[c] 26	30	[a] 17	22
Pinopolis	30	22	30	10	32	9	32	† 1	60	6	62	† 4	72	† 24	70	† 19	60	23	42	10	......	......	25	22
St. George	......	......	[c] 25	10	26	† 23	35	† 1	[b] 55	1	[a] 58	4	64	27	64	7	55	23	42	10	30	† 17	26	† 1
St. Matthews	24	† 21	21	18	[a] 25	23	29	4	[n] 55	† 1	56	4	62	† 25	63	7	52	23	38	10	26	17	22	† 7
Society Hill	20	21	21	† 8	24	1	29	3	49	1	49	1	58	9	60	6	46	22	34	9	24	† 16	[a] 20	21
Summerville	26	† 2	26	10	27	9	30	1	53	6	58	4	64	25	66	7	58	23	40	10	30	30	20	22
Walterboro	[b] 25	22	27	11	27	23	[b] 30	1	[a] 50	6	59	† 4	[a] 60	27	[b] 63	7	[c] 58	24	[e] 39	10	[b] 29	† 16	[a] 20	22
Yemassee	25	† 3	23	10	25	23	28	1	46	6	58	6	57	26	62	7	58	23	38	10	26	17	18	22
Division extremes	20	21	21	† 8	24	† 2	28	1	46	6	49	1	56	26	60	† 6	46	22	34	† 9	24	† 16	17	22
WESTERN PORTION.																								
Aiken	22	21	25	9	24	23	[a] 28	4	54	6	56	2	64	† 23	61	5	50	23	[b] 38	10	[c] 27	30	[d] 22	21
Anderson	22	21	24	9	24	23	28	4	52	28	55	2	63	6	60	6	48	23	36	10	27	30	23	21
Batesburg	23	21	24	9	24	22	30	4	56	6	54	4	61	25	60	6	47	23	33	10	24	17	22	21
Camden	25	29	23	10	25	23	28	5	52	1	55	3	58	1	62	23	51	† 23	40	10	[b] 27	17	21	† 22
Clemson College	22	5	22	† 9	25	18	27	4	53	10	[b] 56	24	62	23	[e] 60	23	48	23	35	11	27	16	22	21
Columbia	27	21	27	9	30	2	32	4	56	10	56	4	64	25	65	31	53	23	41	10	31	16	25	7
Greenville	19	21	20	9	22	23	28	† 1	51	9	51	24	60	† 7	57	6	45	23	32	10	24	30	20	† 14
Greenwood	20	13	22	9	27	23	30	4	55	† 10	55	2	61	25	60	17	47	23	36	10	28	† 16	25	† 7
Heath Spring	23	22	22	9	27	9	30	5	54	2	54	† 2	59	25	60	7	46	23	36	10	28	† 16	23	† 22
Landrum	[a] 20	21	21	† 10	25	† 18	29	4	49	2	54	† 1	59	† 23	58	† 22	45	23	32	† 10	24	30	20	22
Liberty	21	21	20	9	22	23	25	4	52	† 6	56	1	55	23	59	6	51	† 25	35	† 10	26	† 16	22	7
Little Mountain	24	21	28	20	27	9	29	4	57	28	55	2	62	3	64	† 19	51	23	[b] 37	11	29	30	25	21
Meriwether	[b] 25	† 21	22	10	25	† 18	29	4	54	† 1	57	2	60	25	[g] 60	6	55	26	37	10	26	† 16	22	† 21
Monetta	25	21	25	9	26	† 18	[j] 31	4	54	6	56	2	[d] 64	† 25	[a] 63	7	[h] 57	26	40	10	29	16	24	22
Mountain Rest	......	......	......	......	......	......	......	......	......	......	......	......	[i] 55	22	52	6	43	22	27	10	[c] 26	† 16	[n] 17	21
Newberry	24	† 21	23	† 9	24	18	27	4	54	1	55	2	62	† 25	60	6	46	23	37	10	28	† 16	21	7
Saluda	22	30	21	10	23	† 9	26	1	50	† 1	55	† 2	[b] 62	† 7	58	6	43	23	33	11	28	30	20	22
Santuck	22	21	22	† 9	25	† 18	28	4	53	† 1	54	2	[a] 61	26	60	† 6	45	23	35	10	26	16	22	† 7
Spartanburg	22	22	21	9	24	18	31	4	51	2	54	2	62	† 7	59	23	47	23	33	10	26	† 16	22	† 7
Trenton	......	......	......	......	26	23	34	† 1	[a] 57	20	50	2	62	5	63	7	50	23	39	10	28	16	[i] 24	22
Winnsboro	23	† 21	21	10	24	23	28	4	53	5	52	4	61	23	......	......	......	......	......	......	......	......	......	......
Winthrop College	22	21	21	9	26	23	30	4	52	2	53	2	60	25	58	27	45	23	35	10	24	30	23	21
Division extremes	19	21	20	9	22	23	25	4	49	2	51	24	55	† 22	52	6	43	† 22	27	10	24	† 17	17	21
Section extremes	19	21	20	9	22	23	25	4	46	6	49	1	55	† 22	52	6	43	† 22	27	10	24	† 16	17	† 21

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.
† On other dates also.

November.—Excepting a cold, wet period between the 13th and the 19th, November was mild and open, with abundant sunshine and fairly distributed rains. These conditions were favorable for full fruitage of cotton until the general killing frosts of the 16th and 17th. A barometric disturbance of considerable severity, accompanied by windstorms of 38 to 62 miles per hour, passed over the Section on the 18th. A flood in the Santee System resulting from the attending rains caused unavoidable losses estimated at $737, while the value of movable property saved at the instance of timely warnings approximated $50,500.

Autumn.—Mean temperature, 66.4°, or 2.6° above the normal determined for 29 years. Precipitation averaged 9.69 inches, or 0.17 inch above the 29-year normal.

December.—Typical winter weather marked the closing month of the year, with the mean temperature below the seasonal average and considerably more than the usual amount of snow, especially on the coastal plain and over the northwestern counties. The persistent cold of the first half, with an average of 7° per day below normal, offset the effects of alternating periods of warm and cold weather during the last half. The scant rainfall on the lower Piedmont and coastal plain was about balanced by excessive precipitation over the northwestern counties. On the whole, the weather was favorable for winter grain crops and outdoor work.

Errata, 1914.

JULY.—Precipitation departure, text (page 51), should be +0.43. Section average precipitation, 1914, Comparative Data (page 56), should be 5.16; average for period should be 5.59.

DECEMBER.—Section average precipitation (pages 91, 92 and 96), should be 4.80.

ANNUAL.—Section average precipitation for December, Monthly and Annual Climatological Data (page 100), should be 4.80; annual precipitation should be 43.39. Average precipitation, 1914, Comparative Data, should be 43.39.

TOTAL ANNUAL PRECIPITATION (pages 101 and 102).—Conway should be 52.93; Edisto, 47.62; Kingstree, 47.44; Society Hill, 41.77; Yemassee, 44.37; Camden, 42.65; Clemson College, 44.47; Greenwood, 38.62; Spartanburg, 43.11; Winnsboro, 38.96; Winthrop College, 45.77.

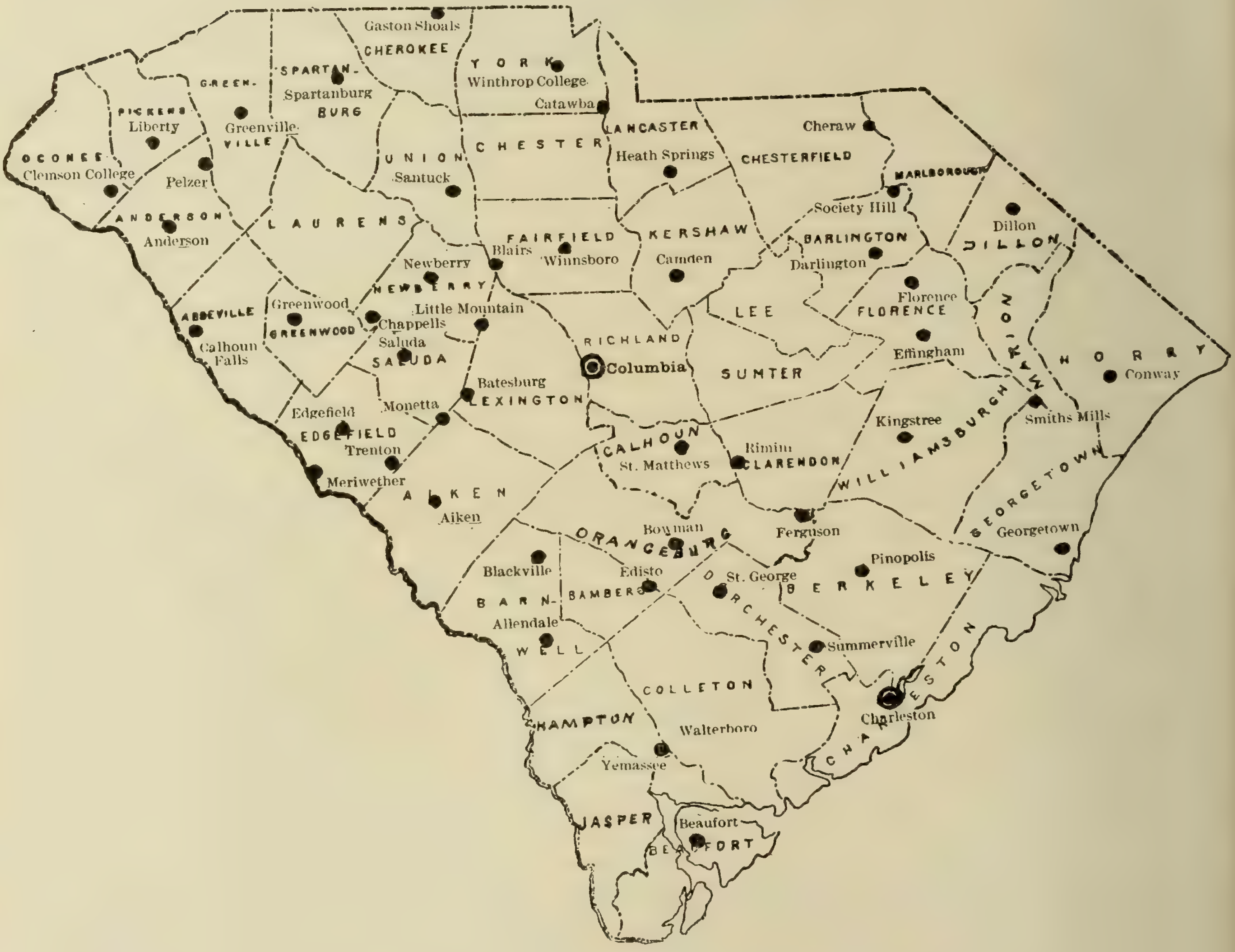
Errata, 1915.

JANUARY.— Maximum temperature for Meriwether (page 4), should be 69.

APRIL.—Maximum temperature for Kingstree (page 28), should be 92.

NOVEMBER.—Minimum temperature for Aiken (page 84), should be [c]27.

MAP SHOWING LOCATION OF OBSERVATION STATIONS.

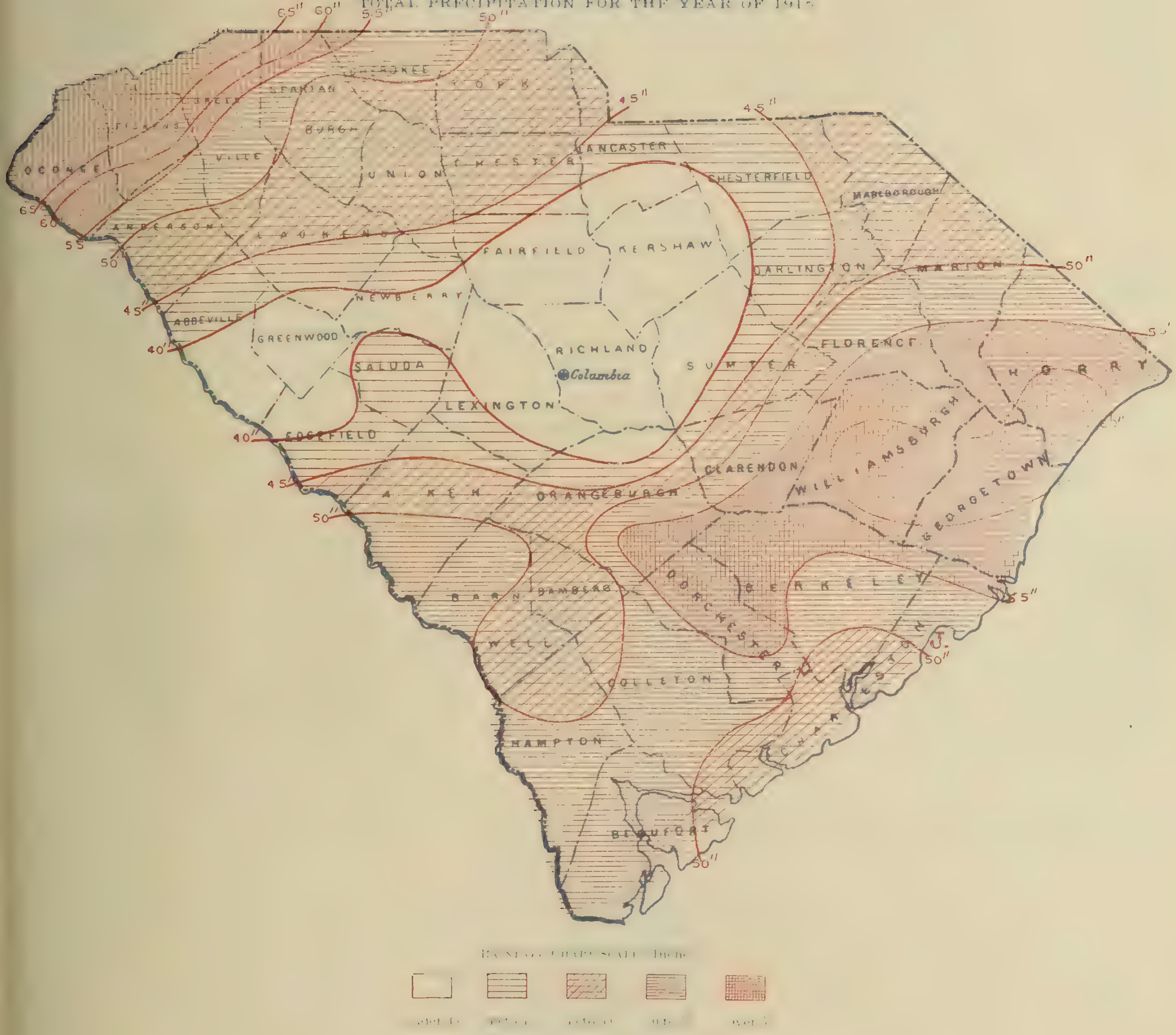


KEY TO SYMBOLS.

◉ Meteorological observations. (Regular Weather Bureau stations)

● Meteorological observations. (Sub stations.)

TOTAL PRECIPITATION FOR THE YEAR OF 1915



COOPERATIVE STATIONS AND OBSERVERS.

Station.	Observer.	Station.	Observer.	Station.	Observer.
Aiken	W. M. Brown.	Ferguson	J. P. Simons.	Mountain Rest	J. H. Brown.
Allendale ||	R. B. Vance.	Florence 1 ||	H. K. Gilbert.	Newberry	W. G. Peterson.
Anderson	H. H. Russell.	Florence 2	Pee Dee Experiment Sta.	Pinopolis.	Miss E. P. Ravenel.
Batesburg ||	E. J. Hite.	Georgetown	A. P. Hazard.	St. George ||	R. S. Weeks.
Beaufort	Miss Lillian H. Rice.	Greenville ||	J. H. Woodside.	St. Matthews ||	J. S. Wannamaker.
Blackville ||	Mrs. D. B. Sanders.	Greenwood ||	M. M. Calhoun.	Saluda	Mrs. F. V. J. Maxwell.
Bowman	B. O. Evans.	Heath Spring	J. Marvin Bowers.	Santuck	E. W. Jeter.
Camden	W. C. Brown.	Kingstree ||	A. O. Matthews.	Society Hill	T. S. Lucas.
Centenary	D. L. Carmichael.	Landrum	R. Hartwell Wilds, D.D.S.	Spartanburg ||	F. P. Robinson.
Charleston ||	U. S. Weather Bureau.	Liberty	J. T. Boggs.	Summerville.	Miss E. H. Gadsden.
Cheraw ||	J. H. Powe.	Little Mountain	J. M. Sease, M. D.	Trenton	Mrs. S. E. Long.
Clemson College	Prof. F. H. H. Calhoun.	Mayesville (near)	Lewis E. Warren.	Walterboro	J. A. Westerberg.
Columbia	U. S. Weather Bureau.	Oaks	O. M. Mitchell.	Winnsboro	J. W. Seigler.
Conway	P. C. Quattlebaum.	Meriwether	Wm. S. Middleton.	Winthrop College	W. P. Goodman.
Darlington	D. C. McCall.	Monetta	Joe M. Johnson.	Yemassee ||	J. G. Hutson.
Dillon	A. E. Rowell.				

|| Also Cotton Region station in season.

RIVER AND RAINFALL STATIONS AND OBSERVERS.

Station.	Watershed.	Observer.	Station.	Watershed.	Observer.
Anderson†	Savannah	H. H. Russell.	Edisto	Edisto	Nathan Jenkins.
Blairs	Broad	J. N. Owens.	Effingham	Lynches	H. B. McCall.
Calhoun Falls	Savannah	L. M. Parker.	Ferguson	Santee	J. P. Simons.
Camden	Wateree	W. C. Brown.	Gaston Shoals†	Broad	H. A. Parshall.
Catawba	Catawba	J. C. Faris.	Kingstree	Black	A. O. Matthews.
Chappells	Saluda	J. J. Murran.	Pelzer	Saluda	J. Y. Jones.
Cheraw	Pee Dee	J. H. Powe.	Rimini	Santee	W. B. Wolfe.
Columbia	Congaree	Lemuel Hall.	Smiths Mills	Pee Dee	W. G. Walker.
Conway	Waccamaw	P. C. Quattlebaum.	Spartanburg †	Broad	F. P. Robinson.
Edgefield†	Savannah	J. H. Townsend.			

† Special rainfall reports only.

FORECAST DISTRIBUTION.

Station.	County.	Distributer.	Station.	County.	Distributer.
Abbeville 2	Abbeville	Abbeville Telephone Co.	Greenwood 2* (30)†	Greenwood	M. M. Calhoun.
Aiken 1	Aiken	So. Bell Telep. & Teleg. Co.	Johnston 3	Edgefield	So. Bell Telep. & Teleg. Co.
Augusta, Ga.—* (42)	Richmond	U. S. Weather Bureau.	Kershaw 1	Lancaster	Kershaw Telephone Co.
Belton 2* (33)	Anderson	Postmaster.	Lancaster	Lancaster	Lancaster Telephone Co.
Bennettsville 5	Marlboro	So. Bell Telep. & Teleg. Co.	McCormick—2* (13)	Abbeville	Postmaster.
Blackville—6	Barnwell	So. Bell Telep. & Teleg. Co.	Marion—6	Marion	So. Bell Telep. & Teleg. Co.
Burton 2	Beaufort	Bacon & Co.	Newberry—3	Newberry	So. Bell Telep. & Teleg. Co.
Camden—2	Kershaw	So. Bell Telep. & Teleg. Co.	Orangeburg—2	Orangeburg	So. Bell Telep. & Teleg. Co.
Charleston—6* (225)	Charleston	U. S. Weather Bureau.	Orangeburg †	Orangeburg	State A. & M. College.
Charlotte, N. C.—* (11)	Mecklenburg	U. S. Weather Bureau.	Rock Hill—4* (20)	York	Chief of Police.
Chester—1	Chester	Chester Telephone Co.	Spartanburg—5* (92)	Spartanburg	Postmaster.
Clinton—6	Laurens	So. Bell Telep. & Teleg. Co.	Savannah, Ga.—* (33)	Chatham	U. S. Weather Bureau.
Clover—1	York	Piedmont Telephone Co.	Summerton —* (9)	Clarendon	J. A. James.
Columbia—13* (304) †	Richland	U. S. Weather Bureau.	Trenton—1	Edgefield	Trenton Telephone Co.
Darlington—4	Darlington	So. Bell Telep. & Teleg. Co.	Union—1	Union	So. Bell Telep. & Teleg. Co.
Florence—3	Florence	So. Bell Telep. & Teleg. Co.	Wilmington, N. C.—* (9)	New Hanover	U. S. Weather Aureau.
Fort Mill—1	York	Fort Mill Telephone Co.	Westminster—1* (29)	Oconee	Postmaster.
Georgetown—1 †	Georgetown	A. P. Hazzard.	Woodruff—1	Spartanburg	Home Telephone Co.
Greenville—14	Greenville	So. Bell Telep. & Teleg. Co.	Yorkville 1	York	Piedmont Telephone Co.

* Cards by mail within the State, number daily in parentheses

† Flag display.

NOTE.—Figures following names of stations indicate number of local or subsidiary exchanges through which daily forecasts of the Weather Bureau are available free of cost to patrons, by cooperation with the Southern Bell Telephone & Telegraph Company, representing about 35,000 subscribers. This information can be obtained by simply calling "Information" about 11 o'clock each morning, except Sundays and holidays.

1.05 Stack.
VSC

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

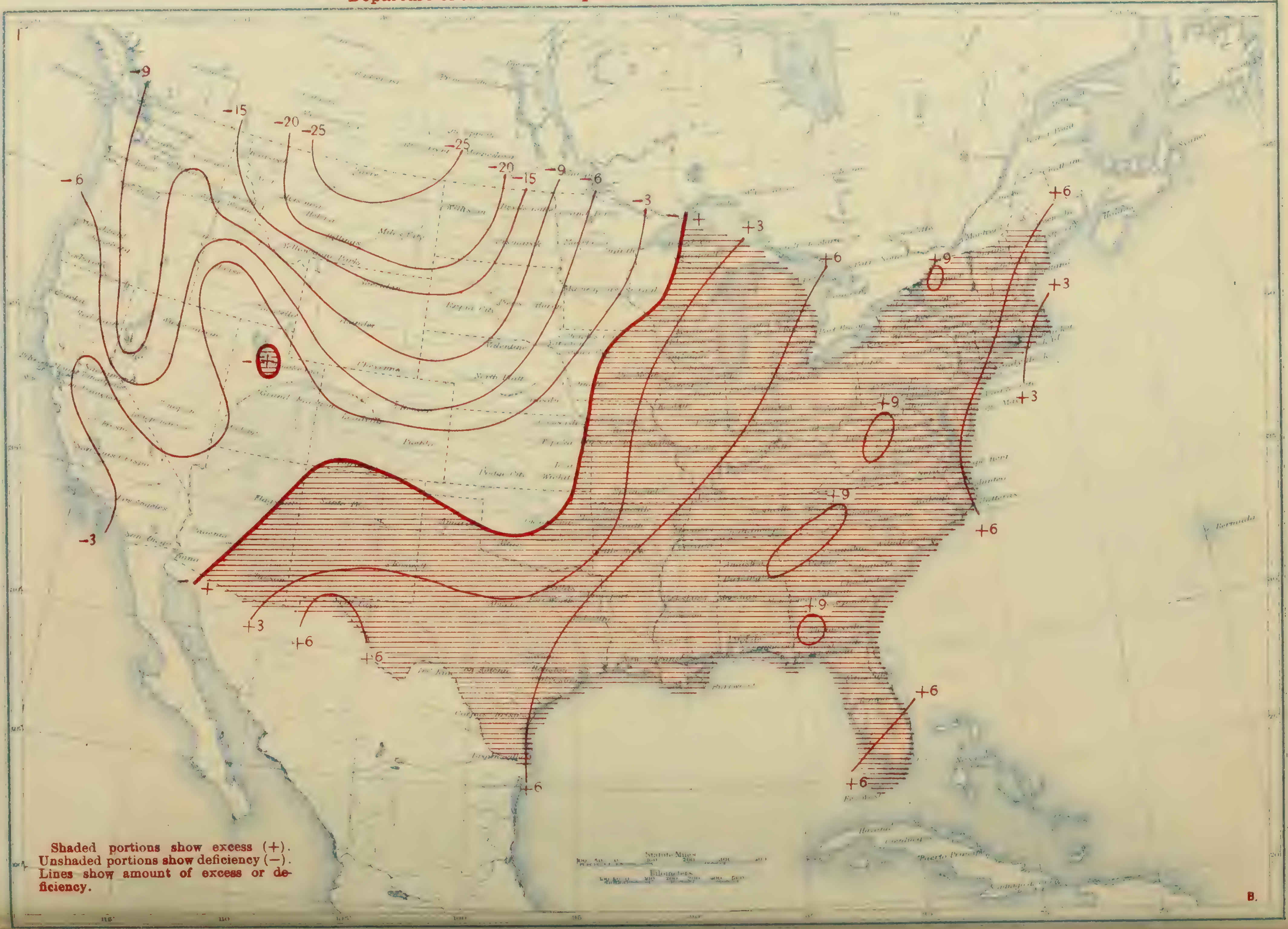
SOUTH CAROLINA SECTION

JANUARY, 1916

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
February 26, 1916.

Departure of the Mean Temperature from the Normal, January, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

B.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

VOL. XIX. COLUMBIA, S. C., JANUARY, 1916. No. 1.

GENERAL SUMMARY.

January was remarkably mild and dry, with temperatures decidedly above normal, except one cold period of short duration, and precipitation much below the average. During the first week, on the 11th, 12th and 13th and during the last decade the mean temperatures ranged 10 to 20 degrees per day above the seasonal average, and there were but three previous Januarys during the past 30 years that were warmer and but four that were drier.

In consequence of sustained warm weather, all vegetation quickened materially, early trees and shrubbery budded rapidly and pastures became quite green. Winter grains stooled well, and conditions were generally favorable for outdoor work.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.28 inches. The highest pressure in the region covered by reports was 30.65 inches at Columbia on the 20th; lowest, 29.78 inches at Wilmington, N. C., on the 17th, and in the Section proper, 29.83 inches at Charleston on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 42 stations, was 52.3°, or 6.7° above the established normal. The highest temperature was 81° at Walterboro, Colleton Co., on the 26th. The warmest periods of the month were during the first week, on the 11th, 12th and 13th and during the last decade. The lowest temperature was 10° at Mountain Rest, Oconee Co., on the 18th. The coldest period was generally about the 18th, when practically all the lowest temperatures were recorded.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 86%; 8 p.m., 76%. The highest percentages occurred over the southern districts, and the lowest, over the north-central border counties.

PRECIPITATION.

The average for the Section, 55 stations reporting, was 1.76 inches, or 1.61 inches below the established normal. While the precipitation was general over the Section between the 7th and 17th and during the last decade, and was well distributed as to area, the amounts were uniformly light. Excepting a small area of the northwestern portion, the rainfall was much below normal, with less than one inch over portions of Edgefield, Aiken and Beaufort counties. The greatest local monthly amount was 3.82 inches at Mountain Rest, Oconee Co.; least amount, 0.65 inch at Edgefield, Edgefield Co. The greatest amount during any 24 hours was 1.31 inches at Landrum on the 26th. The average number of rainy days was 11% above normal.

Snow flurries occurred at Dillon, Dillon Co., and Florence No. 2 (Pee Dee Experiment Station), Florence Co., on the 17th. Sleet occurred at Landrum, Spartanburg Co., on the 15th and at Meriwether, Edgefield Co., on the 17th.

WIND.

The prevailing winds were from the northeast. The average hourly velocity, determined from 7 anemometer records, was 9.7 miles. The highest average velocity in the region covered by reports was 12.3 miles per hour at Savannah, Ga.; lowest, 6.8 miles per hour at Augusta, Ga.; in the Section proper the averages were 8.0 miles per hour at Columbia and 10.6 miles per hour at Charleston. The highest velocity for any 5-minute period was 37 miles per hour from the northwest at Charlotte, N. C., on the 17th and from the northeast at Charleston on the 23d.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 166.6 hours, or 56% of the possible amount. The average number of clear days was 10; partly cloudy, 9, and cloudy, 12, as against normals of 13, 7 and 11 days, respectively.

RIVER CONDITIONS.

The month opened with a moderate freshet in the Wateree River, which passed below Ferguson, on the Santee River, by the 13th The unavoidable losses were estimated at $313; value of movable property saved by timely warnings, estimated at $24,730. During the remainder of the month all rivers of the Section were relatively low.

MISCELLANEOUS PHENOMENA.

Fog, Dense (*dates*).—Beaufort, 10, 30; Camden, 12, 29; Catawba, 7, 11; Centenary, 12, 21, 28, 31; Charleston, 22, 28, 29; Cheraw, 12, 29, 30; Clemson College, 25, 26, 27, 28; Columbia, 12, 29; Darlington, 10, 11, 29, 30; Edisto, 29; Gaston Shoals, 12; Georgetown, 29; Kingstree, 12, 29; Landrum, 7, 22; Mayesville (near), 10, 12, 16, 30; Monetta, 10, 30; Mountain Rest, 10, 11, 12, 21, 25, 26, 27, 28, 29, 30, 31; Pelzer, 11; Rimini, 12, 29; St. George, 12; Santuck, 11; Society Hill, 11, 20, 28; Spartanburg, 27.

Halos (*dates*).—*Lunar:* Charleston, 14; Columbia, 14, 17; Gaston Shoals, 14; Mayesville (near), 14; Oaks, 14. *Solar:* Mayesville (near), 8, 29.

Thunderstorms (*dates*).—Rimini, 10; Summerville, 22.

ERRATA.

February, 1915.

FLORENCE NO. 1.—Mean temperature (page 12), should be 48.6.
GASTON SHOALS. Total precipitation (page 12), should be 3.85.

March, 1915.

CONWAY. Mean temperature (page 20), should be ^{a}45.2. Total precipitation (page 20), should be 2.95.

June, 1915.

GREENWOOD.—Total precipitation (page 44), should be 2.88.
HEATH SPRING.—Temperature departure (page 44), should be −3.9.

November, 1915.

WALTERBORO.—Precipitation departure (page 84), should be +0.04.

December, 1915.

WALTERBORO.—Mean temperature (page 92), should be ^{a}47.9.

MISCELLANEOUS DATA FOR JANUARY, 1916.

Stations.	Barometer—sea level.	Temperature—degrees Fahr.			Precipitation—inches.		Wind.		Mean relative humidity		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity—miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.28	44.8	67	6	2.54	0.87	11.0	se.	83	69	55
Augusta, Ga.......	30.28	54.0	78	24	0.75	0.31	6.8	ne.	89	73	52
Charleston, S. C...	30.28	55.9	77	28	1.34	0.63	10.6	ne.	86	82	68
Charlotte, N. C ...	30.28	47.6	71	18	1.66	0.41	11.1	sw.	84	74	53
Columbia, S. C....	30.30	52.9	77	22	1.32	0.33	8.0	ne.	87	77	46
Savannah, Ga.....	30.27	58.2	79	30	1.43	0.63	12.3	ne.	86	81	57
Wilmington, N. C.	30.30	52.9	76	20	1.12	0.32	8.0	sw.	84	75	60
Means and extremes	30.28	52.3	79	6	1.45	0.87	9.7	ne.	86	76	56

Climatological Data for January, 1916.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of days. With precipitation (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of wind.	Observers
Eastern Portion.																				
Allendale	Barnwell	186	27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	R. B. Vance.
Beaufort	Beaufort	21	29	ᵃ56.4	+5.3	ᵃ 78	† 2	ᵃ 26	18	38	0.99	2.08	0.27	0.0	5	13	7	11	ne.	Miss Lillian H. Rice.
Blackville	Barnwell	296	27	55.6	+8.5	80	† 11	20	18	40	1.57	−1.33	0.59	0.0	8	15	4	12	w.	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	15	56.2	+8.2	80	† 13	21	18	46	1.23	−1.89	0.48	0.0	3	10	17	4	sw.	B. O. Evans.
Centenary	Marion	43	...	52.2	...	72	31	20	18	41	1.43	...	0.33	0.0	10	7	16	8	sw.	D. L. Carmichael.
Charleston	Charleston	48	45	55.9	+6.6	77	2	28	18	31	1.34	−2.11	0.63	0.0	9	10	12	9	ne.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	26	51.8	+8.5	77	22	18	18	32	1.92	−0.90	0.37	0.0	12	...	...	...	...	J. H. Powe.
Conway	Horry	25	30	ᵃ53.5	+5.4	ᵃ 79	31	ᵃ 20	18	ᵃ41	1.61	−1.80	0.63	0.0	4	...	...	...	...	Paul Quattlebaum.
Darlington	Darlington	175	21	51.6	+6.0	80	2	18	18	43	1.77	−0.73	0.48	0.0	10	11	4	16	...	D. C. McCall.
Dillon	Dillon	100	13	53.6	+6.6	79	† 2	18	18	42	1.62	−0.96	0.45	T.	10	...	...	...	...	A. E. Rowell.
Edisto ††	Bamberg	143	28	...	...	...	...	...	...	...	1.21	−1.86	0.46	0.0	7	...	...	...	...	Nathan Jenkins.
Effingham	Florence	106	23	...	...	...	...	...	...	...	1.78	−1.62	0.52	0.0	5	...	...	...	...	H. B. McCall.
Ferguson	Orangeburg	63	30	54.5	+7.2	79	† 28	21	18	42	1.05	−2.29	0.35	0.0	6	...	...	...	...	Joseph P. Simons.
Florence 1	Florence	136	27	51.6	+6.6	79	† 22	20	18	42	1.38	−1.36	0.49	0.0	6	8	13	10	s.	H. K. Gilbert.
Florence 2	Florence	136	..	...	...	...	...	...	...	...	2.01	−0.73	0.68	T.	6	11	16	4	s.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	21	54.2	+5.8	78	† 2	22	18	54	1.25	−2.10	0.55	0.0	3	7	15	9	n.	A. P. Hazard.
Kingstree	Williamsburg	54	27	54.0	+6.5	80	12	20	18	42	1.16	−1.81	0.45	0.0	6	14	3	14	e.	A. O. Matthews.
Mayesville (near)	Sumter	70	...	53.9	...	80	12	17	18	49	1.80	...	0.40	0.0	14	9	8	14	s.	Lewis E. Warren.
Oaks	Georgetown	...	...	55.4	...	78	† 22	20	18	46	1.82	...	0.51	0.0	11	12	9	10	s.	O. M. Mitchell.
Pinopolis **	Berkeley	54	66	54.8	+7.5	74	31	26	17	...	1.67	−1.43	1.00	0.0	5	16	7	8	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	6	...	...	...	...	...	...	...	1.34	...	0.36	0.0	9	...	...	...	...	William B. Wolfe.
St. George	Dorchester	109	27	...	...	80	31	...	...	...	1.07	−1.60	0.32	0.0	10	11	7	13	ne.	R. S. Weeks.
St. Matthews	Calhoun	269	27	ᵇ54.3	+8.3	78	† 12	ᵇ 21	18	ᵇ43	1.45	−1.61	0.36	0.0	6	11	13	7	ne.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	20	...	...	...	...	...	...	...	1.49	−1.30	0.35	0.0	10	...	...	...	...	W. G. Walker.
Society Hill	Darlington	192	24	50.6	+6.7	79	22	16	18	40	1.67	−1.24	0.39	0.0	11	10	8	13	w.	T. S. Lucas.
Summerville	Dorchester	75	18	56.4	+7.4	79	22	22	18	41	1.89	−1.21	0.70	0.0	10	3	27	1	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	13	57.4	+6.3	81	26	ᵃ 22	18	ᵃ45	1.77	−1.15	0.51	0.0	12	10	12	9	...	J. A. Westerberg.
Yemassee	Hampton	24	20	55.6	+7.7	80	† 2	20	18	42	1.60	−1.19	0.31	0.0	9	12	9	10	...	J. G. Hutson.
Division means and extremes		...	...	54.2	+6.9	81	26	16	18	54	1.53	1.45	1.00	T.	8	10	11	10	s.	
Western Portion.																				
Aiken	Aiken	527	55	ᵈ52.9	+5.8	ᶜ 78	12	ᵈ 22	9	39	1.45	−2.15	0.40	0.0	6	11	9	11	ne.	W. M. Brown.
Anderson	Anderson	764	20	48.7	+4.0	76	29	18	18	38	2.37	−1.38	0.48	0.0	12	10	1	20	w.	H. H. Russell.
Batesburg	Lexington	656	27	51.0	+5.6	75	12	19	† 9	44	1.55	−1.82	0.53	0.0	6	12	5	14	n.	E. J. Hite.
Blairs	Fairfield	293	13	...	...	...	...	...	...	...	2.06	−1.05	0.87	0.0	8	...	...	...	...	J. N. Owens.
Calhoun Falls	Abbeville	508	23	...	...	...	...	...	...	...	1.36	−1.99	0.34	0.0	7	...	...	...	...	L. M. Parker.
Camden	Kershaw	222	56	52.6	+7.2	77	† 12	27	† 15	41	1.57	−1.77	0.51	0.0	9	13	7	11	ne.	W. C. Brown.
Catawba	York	562	12	...	...	...	...	...	...	...	1.82	−1.38	0.52	0.0	12	...	...	...	...	James C. Faris.
Chappells	Newberry	402	12	...	...	...	...	...	...	...	1.11	−1.74	0.81	0.0	3	...	...	...	...	J. J. Murian.
Clemson College	Oconee	850	24	50.0	+7.5	71	29	15	18	35	3.60	−1.55	1.08	0.0	14	8	7	16	ne.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	29	52.9	+7.8	77	12	22	18	34	1.32	−1.97	0.33	0.0	11	7	9	15	ne.	U. S. Weather Bureau
Edgefield	Edgefield	...	2	...	...	...	...	...	...	...	0.65	...	0.50	0.0	2	...	...	...	...	J. A. Townsend.
Gaston Shoals ††	Cherokee	680	3	...	...	...	...	...	...	...	1.51	−2.33	0.26	...	12	...	...	...	...	Harry A. Parshall.
Greenville	Greenville	989	23	46.6	+5.9	76	2	15	18	36	3.10	−1.15	0.97	0.0	14	5	8	18	ne.	J. H. Woodside.
Greenwood	Greenwood	671	27	48.6	+5.8	75	29	18	18	37	1.81	−1.78	0.62	0.0	6	13	0	18	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	15	48.7	+5.6	74	2	17	18	41	2.39	−0.86	0.71	0.0	8	5	14	12	sw.	J. Marvin Bowers.
Landrum	Spartanburg	1063	1	46.6	...	75	2	17	18	36	3.78	...	1.31	0.0	15	8	8	15	...	R. Hartwell Wilds, D.D.S.
Liberty	Pickens	900	17	49.9	+7.1	72	† 2	18	18	40	3.05	−1.22	1.00	0.0	13	6	5	20	sw.	John T. Boggs.
Little Mountain	Newberry	711	23	52.0	+6.7	75	12	19	18	37	1.63	−1.43	0.67	0.0	6	14	2	15	s.	J. M. Sease, M. D.
Meriwether	Edgefield	450	13	54.0	+7.4	ᵃ 79	12	19	18	ᵃ50	1.45	−1.49	0.79	0.0	5	8	8	15	...	William S. Middleton.
Monetta	Saluda	400	9	53.2	...	76	12	19	18	39	1.53	...	0.56	0.0	11	6	16	9	sw.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	...	47.6	...	71	† 2	10	18	45	3.82	...	0.77	0.0	14	8	5	18	...	J. H. Brown.
Newberry	Newberry	502	13	50.9	+6.1	76	12	19	18	41	1.87	−1.58	1.05	0.0	11	7	4	20	sw.	Warren G. Peterson.
Pelzer	Anderson	850	12	...	...	...	...	...	...	...	2.34	−1.40	0.50	0.0	10	...	...	...	...	Joshua Y. Jones.
Saluda	Saluda	536	15	51.9	+6.5	76	† 12	18	18	45	1.95	−1.38	0.52	0.0	9	8	10	13	sw.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	23	49.7	+6.7	74	2	17	18	37	2.36	−1.10	0.80	0.0	11	9	5	17	s.	E. W. Jeter.
Spartanburg	Spartanburg	875	27	46.3	+4.6	73	2	15	18	33	1.62	−2.04	0.47	0.0	12	...	...	...	...	F. P. Robinson.
Trenton	Edgefield	620	23	52.0	+5.6	76	31	20	18	39	1.77	−1.39	0.80	0.0	6	15	8	8	s.	Mrs. S. E. Long.
Winthrop College ††	York	690	17	49.8	+6.3	78	2	16	18	39	1.41	−1.61	0.40	0.0	9	7	12	12	s.	W. P. Goodman.
Division means and extremes				50.3	+6.2	79	12	10	18	50	1.99	−1.48	1.31	0.0	9	9	8	14	ne.	
State means and extremes				52.3	+6.7	81	26	10	18	54	1.76	−1.61	1.31	T.	9	10	9	12	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (ᵃ, ᵇ, ᶜ), appearing in the table indicate number of days missing: for example, ᵇ represents two days missing, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb: means are computed from observed readings. †† Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill
T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for January, 1916.

Stations.	Watershed.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale	Savannah														.30		.12	.42				.10	.02	.25							.10	.10	
Beaufort	Coast												.14					.27	.20			.15	T.					.23					0.99
Blackville	Edisto								.03			.07			.59		.18	.10				.25		.11					.24				1.57
Bowman	do										T.			.48			.42										.33						1.23
Centenary	Pee Dee							T.	.03		.04			.25	.33		.28	.15					.15	.16		.03					T.	.01	1.43
Charleston ***	Coast							.02		T.	T.			.09			.28	.48				T.	.06	.07		.28	T.		.02		.04		1.34
Cheraw	Pee Dee							.20	.04		.06	.09		.22	.28		.37	.20				T.		.20			.09		.16		.01		1.92
Conway	Waccamaw											T.		T.	T.		.82	.16	T.				.21	.42			T.					T.	1.61
Darlington ‖	Pee Dee							.09	T.		.09	.04		.07	.48		.42	.25						.19			.06		.08				1.77
Dillon	Little Pee Dee							.03			.20	.02		.30	.20		.45	.25					.02			.10			T.	T.		.05	1.62
Edisto	Edisto										.05				.46		.14	.09	.10					.07					.30				1.21
Effingham	Lynches										T.	.22			.48		.52	.29						.27									1.78
Ferguson	Santee														.35		.20	.05	.03								.34		.08				1.05
Florence 1	Pee Dee								T.		.10	.18			.49		.26						.12	.23									1.38
Florence 2	do							T.			.18			.60			.68	.25					.20	T.					.10				2.01
Georgetown	Coast																.40	.55					.30								T.	T.	1.25
Kingstree	Black														.45		.30	.10	.15					.11			.05						1.16
Mayesville (near)	do		T.						.03		.05	.01		.30	.23		.40	.24					.16	.09		T.	.12	.02	.12		.02	.01	1.80
Oaks	do							T.	.02		.04			.14	.03		.35	.20		T.			.51	.17		.01					.25	.10	1.82
Pinopolis	Cooper													.06			1.00						.40				.20		.01				1.67
Rimini	Santee								.01		T.	.05			.41		.36	.11	T.				.05	.06			.12		.17				1.34
St. George ‖	Edisto								.02		.03				.13		.12	.32	.03					.15			.15		.10		.02		1.07
St. Matthews ‖	Santee													.23	.30		.36	.17						.09					.30				1.45
Smiths Mills ‖	Pee Dee								.12		.05				.25		.35	.13	.05				.06	.30			.03					.15	1.49
Society Hill ‖	do							.04		.12	.05	.13	.15	.30		.39	.25						.11			.10		.03					1.67
Summerville	Ashley							T.				T.		.17	.20		.21	.70					.20	.08		.16	.10	.05	T.	T.		.02	1.89
Walterboro	Ashepoo							.05			.07		T.	.23	.03		.29	.51					.06	.09		.02		.32	.08		.02		1.77
Yemassee ‖	Combahee										T.	T.			.35		.23	.20	.31			T.	.05	.11			.06		.28	T.	.01	T.	1.60
Western Portion.																																	
Aiken	Edisto													.40				.40				.35	.20			.05		.05					1.45
Anderson	Savannah						.09					.34		.48			.16	.03				.13	.20			.04	.81	.04	.02			.03	2.37
Batesburg ‖	Edisto													.43	.10		.27	.29					.38	.08			T.	T.					1.55
Blairs	Broad								.16			.15		.87				.22					.23	.16			.25				.02		2.06
Calhoun Falls ‖	Savannah			.11							.34		.21		.29							.19					.06		.16				1.36
Camden	Wateree								.05		.05			.07	.44		.12	.37			T.	T.		.15			.12		.20				1.57
Catawba	Catawba							.29	.13			.10		.45	.07		.08	.08					.11	.03			.25		.10		.13		1.82
Chappells	Saluda											.15		.81				.15															1.11
Clemson College	Savannah						.20	T.			.01	.37	T.	1.08			.13	.06				.12	.39			.03	.47	.01	.01	T.	.02	.10	3.00
Columbia ***	Congaree						T.	T.			.02			.33		T.	.17	.08				.15	.08			.18	.01	.28	.01		.01		1.32
Edgefield	Savannah												.15					.50															0.65
Gaston Shoals	Broad	.03	T.				T.	.23	.20			.10		.17			T.	T.					.08	T.			.26	.11	.15	.05	.10	.03	1.51
Greenville ‖	Saluda						T.	.12	.05		T.	.26	.01	.97			T.	.14					.24	.07			.28	.86	.02	.03	.02	.03	3.10
Greenwood	do							.16				.20		.62				.32									.42		.09				1.81
Heath Spring	Wateree						.10	.30						.53			.71					.07				.30		.29		.09			2.39
Landrum	Broad						.08	.16	.02		T.	.12		.73		T	.04	T.				.18	.45			.03	1.31	.03	.02	.13	.02	.46	3.78
Liberty	Savannah					T.	.10	.15			.01	.10	T.	.80			.25					1.00			.10	.25	.04	.10	.05	T.	T.	.10	3.05
Little Mountain	Saluda							T.						.67			.32					.35	.17			.07		T.			.05		1.63
Meriwether	Savannah							T.			T.	T.		.79			.10	.23				.07	T.			T.	.26	T.					1.45
Monetta	Edisto			.03					T.		.05	.04		.56			.12	.30				.24	.11	.02		T.		.05	.01				1.53
Mountain Rest	Savannah							T.	.10		T.	.25	.03	.71			.11					.26	.50			.06	.45	.27	.02	.24	.05	.77	3.82
Newberry	Saluda							.05	.05			.06		1.05			.12	.10				.20	.08			.04	.10	T.			.02		1.87
Pelzer	do							.32	T.			.34		.38				.20					.20	.02			.32	.50	.04	T.	.02		2.34
Saluda	do							.05			.07			.52			.47	.40				.18	.11			.08	.07						1.95
Santuck	Broad						.80	.12				.20		.55		T.	.13	.09				.17	.07			.06	.15	.02	T.			T.	2.36
Spartanburg	do							.24	.08			.22		.20		T.	T.	.02					.09	.02			.16	.49	T.	.04	.02	.04	1.62
Trenton	Edisto										T.	T.		.80			.18	.26				.15	.26			.12	T.				T.		1.77
Winthrop College	Catawba						.12	.10				.15		.40				.10				.10	.05				.29	.10					1.41

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature. Mean.	Temperature. Highest.	Temperature. Lowest.	Precipitation. Average.	Precipitation. Average days with 0.01 inch or more.	Average number of days— Clear.	Average number of days— Partly Cloudy.	Average number of days— Cloudy.	Prevailing wind direction.
1887	40.1	73	5	2.80	8				
1888	46.2	76	15	2.94	10				nw.
1889	44.9	78	15	5.81	10				ne.
1890	51.1	81	17	1.16	6				sw.
1891	46.2	75	21	3.55					w.
1892	42.7	72	16	6.75					nw.
1893	38.0	71	3	2.52	6				
1894	47.9	77	19	3.15	10	10	9	12	ne.
1895	44.2	80	5	7.31	13	9	9	13	sw.
1896	43.8	72	9	3.02	6	12	10	9	ne.
1897	42.2	76	3	2.29	7	13	8	10	nw
1898	49.2	82	8	1.80	6	12	10	9	sw.
1899	44.4	78	17	4.72	11	10	7	11	n.
1900	44.0	75	3	2.43	8	16	6	9	nw
1901	45.1	81	18	3.55	9	14	7	10	nw.
1902	42.4	80	11	2.05	5	15	7	9	sw.
1903	43.7	77	13	2.85	11	10	6	15	w.
Continued—									
1904	40.2	74	8	2.97	8	15	5	11	n.
1905	41.4	77	8	2.00	7	15	6	10	w.
1906	47.0	83	12	5.85	11	12	4	15	ne.
1907	53.4	89	18	0.71	4	15	9	7	sw.
1908	44.2	76	17	1.86	9	13	8	10	w
1909	49.6	83	9	1.54	5	12	9	10	ne.
1910	45.5	80	11	2.98	7	14	10	7	w.
1911	49.8	82	16	1.58	5	14	8	9	sw.
1912	40.2	79	6	4.92	9	13	1	14	w.
1913	53.8	82	23	3.21	8	10	6	15	sw.
1914	46.7	81	18	2.66	5	16	9	6	w
1915	45.1	74	19	6.31	9	12	6	13	ne
1916	52.3	81	10	1.76	9	10	9	12	ne.
Period	45.6	89	3	3.37	8	13	7	11	sw.

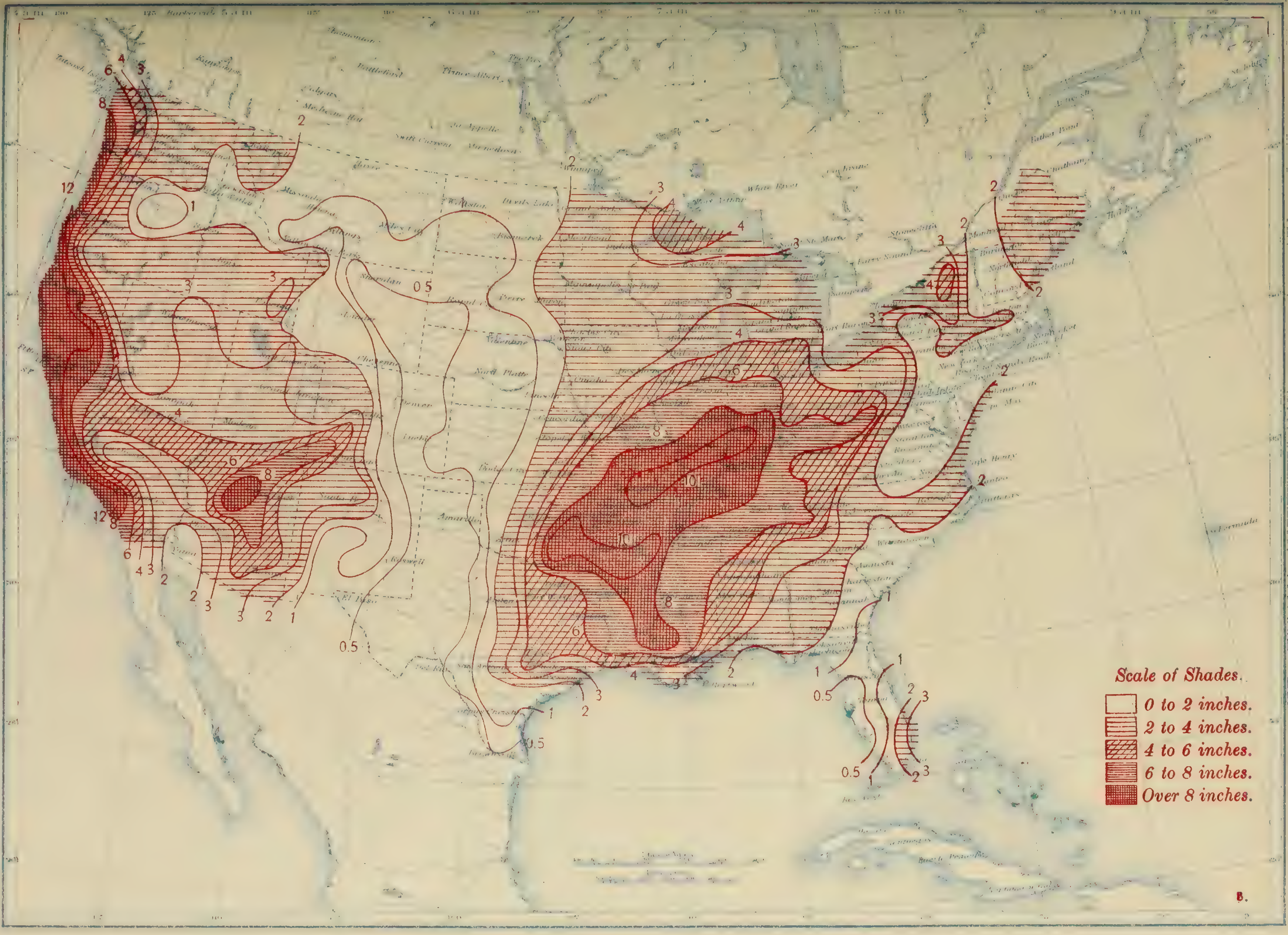
Daily Temperatures for January, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	77	72	58	54	49	41	42	50	68	76	75	61	60	66	75	76	75	77	78	79	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Beaufort	Maximum	77	78	70	68	71	73	70	50	48	61	76	72	56	....	53	65	50	47	50	68	75	75	63	61	70	78	77	70	....	74	74	b 66.2
	Minimum	52	51	57	40	50	54	45	38	30	43	57	51	38	....	35	45	39	26	32	37	52	59	46	43	51	59	56	56	....	52	54	b 46.5
Blackville §§	Maximum	74	75	71	67	74	75	72	55	57	77	80	79	60	56	54	59	43	52	57	70	77	70	62	59	75	71	70	79	80	79	80	68.0
	Minimum	50	52	54	33	37	60	59	32	22	25	40	50	40	32	31	33	36	20	26	31	50	60	53	37	48	52	57	60	50	52	60	43.3
Bowman	Maximum	72	71	70	68	72	78	72	50	45	60	70	72	80	64	60	65	54	52	50	65	75	77	70	67	65	68	72	76	78	80	80	67.7
	Minimum	43	44	45	35	45	51	50	31	25	40	48	50	54	34	36	35	30	21	32	33	51	52	50	50	51	50	54	58	60	62	65	44.7
Centenary	Maximum	69	70	70	55	66	70	70	41	46	56	69	69	68	65	48	55	56	39	40	64	68	68	68	59	63	67	68	68	68	64	72	61.9
	Minimum	45	58	52	32	30	61	40	29	24	37	51	48	49	43	29	33	34	20	28	28	43	56	53	36	46	56	49	52	50	50	54	42.5
Charleston	Maximum	72	77	68	53	70	72	70	47	47	66	73	74	74	60	49	63	63	44	46	62	64	73	63	64	63	67	67	71	67	61	75	64.0
	Minimum	52	56	52	44	46	60	40	35	29	46	59	54	60	41	37	40	32	28	36	40	53	57	48	43	55	57	57	58	56	54	58	47.8
Cheraw §§	Maximum	70	74	62	56	70	66	62	40	44	56	70	74	60	48	36	52	42	37	40	62	70	77	60	54	66	73	70	68	60	56	75	59.7
	Minimum	48	58	48	34	38	60	54	30	22	34	54	56	60	34	28	32	38	18	26	30	48	58	48	34	46	56	52	60	55	46	54	43.8
Conway §§	Maximum	72	76	69	59	73	75	70	48	50	65	75	74	55	....	48	57	40	43	49	70	75	70	63	68	70	75	68	77	72	65	79	a 65.0
	Minimum	44	55	54	31	32	52	54	29	23	28	46	49	55	29	....	33	39	20	28	29	41	51	53	37	45	51	46	54	50	49	53	a 42.0
Darlington §§	Maximum	73	80	71	60	70	76	68	47	48	58	75	78	65	52	43	51	40	41	46	67	74	79	65	58	70	78	74	72	74	65	77	64.4
	Minimum	38	49	45	28	32	45	51	28	22	28	36	47	57	42	28	32	30	18	25	26	37	51	50	33	38	47	47	53	50	47	47	38.9
Dillon	Maximum	72	79	69	60	71	76	68	45	48	53	76	79	67	64	47	56	40	48	48	69	77	79	65	60	71	78	75	73	70	66	79	65.4
	Minimum	44	52	48	29	33	56	36	29	22	28	49	52	61	40	27	37	37	18	27	34	43	54	35	50	45	55	51	54	51	47	56	41.9
Ferguson §§	Maximum	75	70	78	60	73	76	72	46	54	63	77	75	71	54	46	58	43	44	49	69	80	75	63	58	72	78	74	79	71	67	79	66.1
	Minimum	52	52	60	38	38	38	64	33	26	27	38	51	51	39	32	32	40	21	22	28	32	48	48	48	36	36	58	61	61	61	59	42.9
Florence 1 §§	Maximum	73	77	68	63	71	78	63	42	49	58	72	77	66	44	38	56	37	41	45	61	73	79	63	57	64	79	73	77	76	65	74	63.2
	Minimum	39	48	51	32	35	38	52	29	23	25	35	55	56	42	31	32	37	20	22	27	31	50	52	34	36	46	51	54	52	48	55	39.9
Georgetown	Maximum	75	78	58	58	76	78	73	51	40	78	78	78	74	57	48	60	41	45	50	70	72	75	58	65	67	76	74	76	78	62	76	66.0
	Minimum	44	54	36	46	36	46	44	31	24	32	46	52	52	45	32	37	36	22	30	32	41	45	52	38	42	55	52	58	52	52	52	42.5
Kingstree §§	Maximum	74	76	75	61	72	76	72	46	48	62	76	80	70	54	47	56	44	44	47	69	75	80	64	62	70	78	74	77	77	64	79	66.1
	Minimum	44	52	56	57	34	40	56	30	23	31	38	51	56	42	30	30	38	20	21	30	32	50	55	37	40	50	50	53	51	51	54	42.0
Mayesville (near)	Maximum	74	78	72	66	72	75	72	45	46	55	76	80	75	65	51	52	52	44	45	66	75	80	65	59	67	77	73	73	72	70	79	66.2
	Minimum	46	54	47	31	33	60	40	28	22	32	49	52	58	38	27	32	35	17	26	26	42	55	51	35	41	56	46	58	49	49	54	41.6
Oaks	Maximum	72	75	71	58	74	77	71	47	49	64	77	76	69	74	64	60	57	44	50	71	75	78	65	66	71	77	74	77	77	65	78	67.8
	Minimum	48	56	55	32	31	58	41	30	24	39	52	50	43	46	29	35	35	20	26	29	42	52	51	38	48	54	47	54	60	52	55	43.0
St. George §§	Maximum	75	76	70	61	74	75	72	47	49	61	78	80	72	55	48	60	50	44	51	70	76	79	62	60	63	79	71	72	79	62	80	66.2
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
St. Matthews §§	Maximum	75	76	68	60	72	75	73	45	46	75	77	78	65	54	44	55	41	44	45	73	74	77	60	57	67	77	72	71	77	78	78	65.5
	Minimum	44	50	51	33	37	57	60	....	22	35	45	52	....	35	30	33	39	21	28	30	44	58	52	35	46	51	51	55	51	52	53	b 43.1
Society Hill §§	Maximum	70	78	66	61	69	71	58	43	43	57	74	76	65	51	39	53	40	41	42	64	74	79	62	60	68	78	75	71	67	61	77	62.4
	Minimum	37	47	48	28	30	59	52	27	21	22	34	55	56	42	27	28	32	16	19	25	36	49	49	32	41	46	46	54	52	45	45	38.7
Summerville	Maximum	73	78	70	61	72	78	71	66	47	65	77	77	75	63	50	61	58	44	50	70	74	79	63	63	68	75	72	75	75	68	78	67.6
	Minimum	50	53	57	33	38	38	59	33	25	42	54	53	61	38	32	37	38	22	29	34	50	55	55	40	50	50	53	57	51	54	56	45.1
Walterboro	Maximum	74	80	73	64	74	79	71	67	50	57	80	80	75	62	53	63	59	47	53	71	78	78	64	63	71	81	71	75	77	62	80	68.8
	Minimum	43	55	60	33	37	61	58	34	26	40	52	53	60	36	31	38	....	22	29	33	49	57	54	40	50	61	53	57	50	50	58	a 46.0
Yemassee §§	Maximum	75	80	72	61	76	77	70	50	50	62	80	80	75	58	55	65	43	46	53	74	77	80	63	64	68	75	68	74	77	65	80	67.5
	Minimum	49	48	59	38	36	61	56	35	25	29	41	50	59	35	31	35	39	20	26	32	53	54	50	40	41	50	52	56	50	48	55	43.6
Western Portion.																																	
Aiken	Maximum	70	75	67	59	....	74	71	50	....	46	75	78	....	55	46	55	55	43	65	68	68	72	63	55	58	75	70	68	77	68	76	c 64.4
	Minimum	46	50	47	36	40	....	48	29	22	....	44	....	53	28	30	33	33	....	28	32	32	35	49	35	46	54	52	59	52	50	54	d 41.4
Anderson	Maximum	59	74	68	58	62	67	66	43	41	41	70	73	65	55	40	45	45	39	46	53	60	65	58	55	53	61	70	69	76	55	67	58.0
	Minimum	47	52	43	33	38	49	38	30	24	32	39	49	40	28	29	32	27	18	22	29	45	55	44	35	45	48	50	57	46	44	52	39.4
Batesburg §§	Maximum	68	65	70	70	70	74	69	60	46	57	71	75	62	59	52	53	40	42	45	59	65	71	67	54	61	73	69	70	70	60	69	62.5
	Minimum	42	49	46	34	39	44	53	25	19	26	41	45	50	29	28	32	33	19	23	25	38	55	50	35	40	51	50	56	55	45	47	39.5
Camden §§	Maximum	66	68	68	58	68	67	61	44	46	45	75	77	64	51	42	64	41	41	45	64	73	77	66	63	63	72	72	72	73	61	76	62.0
	Minimum	44	57	56	31	32	43	60	29	29	31	35	35	57	39	27	28	38	28	27	28	32	52	52	52	52	60	60	61	55	55	58	43.3
Clemson College	Maximum	58	70	69	60	55	65	65	47	46	45	60	65	65	59	52	45	46	39	41	50	58	65	62	58	55	61	66	68	71	63	63	57.8
	Minimum	49	55	39	29	38	60	40	30	29	34	42	52	53	30	33	36	34	15	22	28	45	56	41	39	49	53	55	58	60	48	54	42.1
Columbia	Maximum	71	75	65	58	68	76	68	43	44	51	74	77	64	51	41	58	50	41	44	64	70	75	64	56	61	75	69	70	73	59	76	62.3
	Minimum	51	57	47	38	41	60	34	30	23	33	51	54	46	36	29	33	28	22	27	34	51	58	47	36	49	60	53	60	53	48	58	43.5
Greenville §§	Maximum	62	76	64	57	60	60	62	45	42	49	62	69	60	52	49	44	33	38	44	56	62	64	61	56	56	61	69	71	69	57	64	57.2
	Minimum	35	41	42	28	29	46	53	29	23	25	34	47	52	29	29	30	26	15	17	20	28	42	42	32	34	43	49	53	57	41	45	36.1
Greenwood §§	Maximum	58	72	64	58	65	71	66	44	43	52	69	74	60	52	41	55	38	41	44	58	66	66	61	57	56	70	68	65	75	60	71	59.4
	Minimum	36	48	44	32	32	44	59	29	24	24	35	51	52	30	29	30	34	18	19	24	32	47	46	32	33	46	51	50	55	45	45	37.9
Heath Spring	Maximum	60	74	65	56	65	65	54	38	39	42	62	73	62	55	35	52	41	39	40	60	70	71	63	52	63	70	67	64	62	58	71	57.7
	Minimum	45	53	46	32	37	51	29	26	22	30	42	50	55	29	27	30	33	17	23	29	44	55	45	31	41	51	50	58	54	43	54	39.7
Landrum	Maximum	65	75	57	54	58	60	55	43	40	43	59	60	61	47	43	47	44	36	45	55	55	63	60	54	52	60	65	65	62	55	60	54.8
	Minimum	44	54	47	27	30	50	37	27	21	28	40	52	47	30	27	31	21	17	19	23	44	52	46	29	43	50	51	56	50	43	51	38.3
Liberty	Maximum	59	72	69	55	55	64	62	44	41	42	62	65	64	59	42	42	45	38	53	58	65	59	56	55	61	65	69	70	72	54	62	57.4
	Minimum	47	54	40	29	36	49	42	32	25	34	41	54	59	30	31	33	29	18	25	46	57	45	38	47	53	54	58	56	54	46	52	42.4
Little Mountain	Maximum	70	73	67	57	65	70	66	42	44	47	70	75	70	57	45	54	51	45	45	59	65	70	63	55	54	73	70	71	74	66	73	61.5
	Minimum	46	48	49	34	42	58	37	28	24	33	46	54	55	35	28	32	29	19	25	30	50	60	46	46	45	54	54	60	58	46	56	42.6
Meriwether	Maximum	68	75	68	59	72	76	71	53	47	....	75	79	71	55	43	54	41	49	49	60	68	72	64	58	58	76	72	78	78	69	76	a 64.5
	Minimum	46	48	47	30	39	58	49	31	25	47	47	54	54	29	33	33	33	19	25	30	60	61	49	34	48	53	52	54	54	50	55	43.5
Monetta	Maximum	69	74	69	68	68	74	69	44	45	46	72	76	73	56	49	54	52	41	45	64	66	71	63	57	56	74	71	69	75	72	75	63.1
	Minimum	49	54	49	34	40	57	43	30	23	33	45	52	56	33	31	34	33	19	26	32	50	60	50	36	47	54	53	60	54	49	56	43.3
Mountain Rest	Maximum	63	71	68	54	53	63	65	41	41	43	61	60	71	54	44	47	46	41	42	56	57	62	58	55	55	62	63	69	71	66	58	56.8
	Minimum	44	50	41	28	34	52	37	30	20	30	41	52	50	26	28	31	22	10	15	24	46	55	35	32	44	51	55	52	57	46	49	38.3
Newberry	Maximum	64	74	69	58	65	71	66	42	42	48	70	76	66	54	44	53	47	41	43	57	65	70	62	54	55	73	69	70	75	58	73	60.5
	Minimum	48	49	45	28	36	53	38	29	23	33	46	49	54	33	29	33	29	19	25	29	42	60	47	32	47	54	53	60	53	46	57	41.3
Saluda	Maximum	65	75	70	58	68	75	70	45	45	50	72	76	70	57	46	55	52	42	46	60	67	73	63	56	56	74	70	70	76	68	74	62.7
	Minimum	46	49	45	25	33	58	40	30	24	33	47	46	55	29	30	34	32	18	24	27	44	60	50	31	47	53	50	60	51	47	55	41.1
Santuck	Maximum	62	74	68	56	64	65	64	41	40	45	68	73	65	54	44	52	49	40	42	56	63	70	63	54	57	71	69	68	73	55	72	59.3
	Minimum	45	54	44	29	38	52	36	28	23	31	42	51	53	33	29	32	27	17	22	27	44	57	44	31	45	52	50	60	50	44	54	40.1
Spartanburg §§	Maximum	62	73	61	55	62	61	60	40	39	51	66	60	59	51	39	49	29	37	43	53	62	66	58	53	55	62	66	70	66	57	66	55.8
	Minimum	37	48	43	28	34	46	51	28	23	29	34	50	51	31	29	30	27	15	19	21	29	46	42	32	32	46	47	49	57	42	44	36.8
Trenton	Maximum	65	73	68	58	73	68	70	46	45	49	71	75	68	54	46	53	53	41	41	65	67	69	63	57	60	73	68	67	75	68	76	62.1
	Minimum	35	52	48	35	52	41	45	29	24	34	45	51	53	29	31	33	31	20	26	33	41	59	48	34	44	53	53	60	60	49	54	42.0
Winthrop College	Maximum	67	78	67	60	64	63	58	42	43	45	67	75	66	55	42	53	47	40	46	57	62	70	64	54	62	72	69	68	64	55	70	59.5
	Minimum	45	53	43	28	40	51	35	26	32	29	42	53	55	42	28	32	27	16	20	30	43	56	40	30	43	52	50	58	48	42	53	40.1

Reference letters (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, January,



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CLIMATOLOGICAL DATA

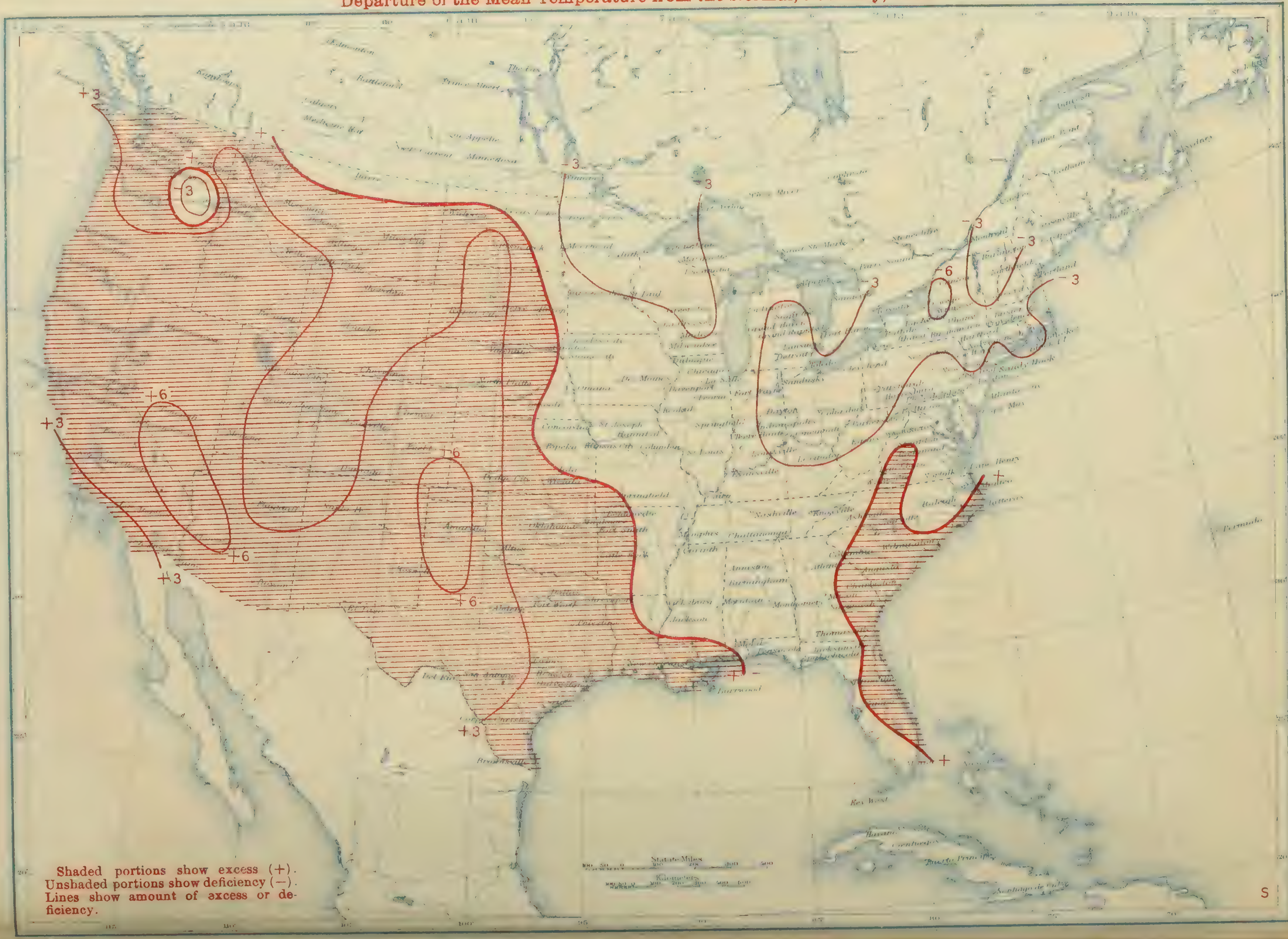
SOUTH CAROLINA SECTION

FEBRUARY, 1916

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
March 30, 1916.

Departure of the Mean Temperature from the Normal, February, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Section Director.

VOL. XIX. COLUMBIA, S. C., FEBRUARY, 1916. No. 2.

GENERAL SUMMARY.

Abnormally warm weather prevailed up to the middle of the month, when a marked cold wave, attended by freezing temperatures to the coast, materially checked further unseasonable advance of vegetation. Considerable truck and young tobacco on the coastal plain were damaged; otherwise, frost injury was comparatively light, although fruit trees were budding freely, and some were in bloom. Winter crops, on the whole, continued in favorable condition. Precipitation was much below normal on the coastal plain. Unusual floods occurred in the Pee Dee and Santee River Systems incident to heavy rains over the upper watersheds on the 1st and 2d. The month closed with a cold wave, accompanied by considerable snow over the higher elevations.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.09 inches. The highest pressure in the region covered by reports was 30.66 inches at Asheville, N. C., on the 3d and at Columbia, S. C., and Wilmington, N. C., on the 4th; lowest pressure, 29.38 inches at Wilmington, N. C., on the 25th, and in the Section proper, 29.48 inches at Charleston on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 44 stations, was 48.5°, or 1.6° above the established normal. The highest temperature was 81° at St. George, Dorchester Co., Walterboro, Colleton Co., and Yemassee, Hampton Co., on the 1st. The warmest periods were generally on the 1st over the eastern portion and between the 18th and 23d over the western portion. The lowest temperature was 11° at Darlington, Darlington Co., on the 15th. The coldest periods were generally from the 14th to the 16th and during the last 4 days of the month.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 78%; 8 p.m., 65%. The highest percentages occurred over the extreme eastern coast district, and the lowest, over the central counties of the lower Piedmont.

PRECIPITATION.

The average for the Section, 56 stations reporting, was 3.96 inches, or 0.48 inch below the established normal. Precipitation was generally above normal over the Piedmont counties, where the total monthly amounts ranged from 5 to over 6 inches; on the coastal plain the amounts were decidedly below normal and ranged from 3 inches downward to 1 inch on the Georgetown County coast. There were five periods of rain, and the amounts were fairly well distributed as to area. The greatest local monthly amount was 6.86 inches at Pelzer, Anderson Co.; least amount, 1.00 inch at Georgetown, Georgetown Co. The greatest 24-hour amount at any station was 3.22 inches at Greenwood, Greenwood Co., on the 1st and 2d. The average number of rainy days was 11% below normal.

Snowfall, ranging from Trace to 5.2 inches, occurred over the higher elevations on the 27th, 28th and 29th and at a few stations on the 3d. Sleet was also quite generally reported from the upper districts on the 28th.

WIND.

The prevailing winds were from the southwest. The average hourly velocity, determined from 7 anemometer records, was 10.5 miles. The highest average velocity in the region covered by reports was 13.4 miles per hour at Savannah, Ga.; lowest, 8.0 miles per hour at Augusta, Ga. In the Section proper the averages were 8.1 miles per hour at Columbia and 12.1 miles per hour at Charleston. The highest velocity for any 5-minute period was 48 miles per hour from the northwest at Charlotte, N. C., on the 18th, and at Savannah, Ga., on the 26th; highest in the Section proper, 34 miles per hour from the north at Charleston on the 13th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 217.6 hours, or 68% of the possible amount. The average number of clear days was 17; partly cloudy, 6, and cloudy, 6, as against normals of 13, 6 and 9 days, respectively.

RIVER CONDITIONS.

Heavy rains over the upper reaches of the Pee Dee and Santee Systems on the 1st and 2d were followed by unusual floods which continued in the lower rivers until the 18th. Flood crests were recorded as follows: Blairs, 20.9 Ft. on the 3d; Camden, 34.4 Ft., 3d; Catawba, 21.2 Ft., 3d; Chappells, 20.3 Ft., 4th; Cheraw, 36.3 Ft., 4th; Columbia, 22.7 Ft., 4th; Ferguson 15.7 Ft., 9th; Rimini, 21.5 Ft., 7th; Smiths Mills, 16.8 Ft., 12th. Conservative estimates place the unavoidable losses at $16,864, while movable property saved at the instance of Weather Bureau warnings approximated $103,140.

MISCELLANEOUS PHENOMENA.

Earthquakes (*dates*).—One to two pronounced tremors, 6:40 to 6:45 p.m., 21st, at Belton, Calhoun Falls, Columbia, Chappells, Clemson College, Gaston Shoals, Greenville, Greenwood, Landrum, Little Mountain, Liberty, Monetta, Newberry, Santuck, Spartanburg, Summerville, Westminister, and Winthrop College, Rock Hill.

Hail (*date*).—At Georgetown, Trenton and Yemassee, 9.

Halos (*dates*).—*Solar:* Columbia, 4; Liberty, 27; Mayesville (near), 28.

MISCELLANEOUS DATA FOR FEBRUARY, 1916.

Stations.	Barometer—sea level.	Temperature—degrees Fahr.			Precipitation—inches.		Wind.		Mean relative humidity		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity—miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.11	37.9	69	14	3.73	1.62	10.9	nw.	80	61	53
Augusta, Ga......	30.10	50.4	74	23	4.28	2.25	8.0	w.	79	67	67
Charleston, S. C...	30.09	52.0	76	22	1.47	0.94	12.1	sw.	75	70	79
Charlotte, N. C...	30.07	43.6	68	14	5.87	3.12	12.3	ne.	79	64	74
Columbia, S. C....	30.10	49.2	74	18	3.76	1.88	8.1	n.	81	54	69
Savannah, Ga.....	30.10	53.8	78	24	1.85	0.64	13.4	nw.	73	66	70
Wilmington, N. C.	30.08	48.0	74	15	2.64	0.84	8.7	w.	79	73	65
Means and extremes......	30.09	47.8	78	14	3.37	3.12	10.5	w. nw.	78	65	68

Climatological Data for February, 1916.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on (0.01 in. or more)	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	27	[b]49.8	+1.6	[a] 77	23	[b] 22	15	[b]42	2.77	−1.38	1.15	0	7	...	...	...	...	R. B. Vance.
Beaufort	Beaufort	21	29	52.5	+0.9	75	† 1	22	15	40	1.74	−2.25	0.61	0	5	13	11	5	nw.	Miss Lillian H. Rice.
Blackville	Barnwell	296	27	[c]52.0	+4.8	[c] 79	1	19	15	[c]46	2.45	−2.02	1.00	0	5	...	...	...	...	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	15	50.2	+2.8	75	† 8	17	16	48	2.90	−1.33	0.88	0	6	19	6	4	w.	B. O. Evans.
Centenary	Marion	43	...	47.2	...	72	† 1	17	15	38	3.05	...	0.84	T.	9	14	9	6	sw.	D. L. Carmichael.
Charleston	Charleston	48	45	52.0	+0.2	76	1	22	15	30	1.47	−2.04	0.94	0	8	19	7	3	sw.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	26	47.2	+2.7	74	18	16	15	45	3.47	−0.85	1.72	1.0	10	...	...	...	...	J. H. Powe.
Conway	Horry	25	30	50.4	+3.1	79	1	17	15	43	3.51	−1.08	0.98	T.	6	...	...	...	...	Paul Quattlebaum.
Darlington	Darlington	175	21	[a]47.6	+3.0	[a] 77	1	[a] 11	15	[a]45	2.67	−1.93	1.61	T.	8	20	1	8	...	D. C. McCall.
Dillon	Dillon	100	13	[d]47.1	+0.7	75	† 12	17	15	51	2.36	−1.42	0.73	T.	7	...	...	...	...	A. E. Rowell.
Edisto ‡‡	Bamberg	143	28	...	...	...	...	...	...	...	2.25	−2.76	0.96	0	6	...	...	...	...	Nathan Jenkins.
Effingham	Florence	106	23	...	...	...	...	...	...	...	3.65	−1.78	1.77	0	7	...	...	...	...	H. B. McCall.
Ferguson	Orangeburg	63	30	49.6	+1.9	80	1	20	15	47	1.93	−2.12	0.65	0	5	...	...	...	...	Joseph P. Simons.
Florence 1	Florence	136	27	47.4	+2.2	77	1	19	† 15	38	4.71	+0.21	1.67	T.	10	17	2	10	sw.	H. K. Gilbert.
Florence 2	Florence	136	...	...	...	...	...	...	...	...	3.03	−1.47	1.35	T.	8	17	10	2	nw.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	21	50.5	+2.0	80	1	18	15	47	1.00	−3.54	0.95	0	2	18	11	0	n.	A. P. Hazard.
Kingstree	Williamsburg	54	27	48.8	+1.7	81	1	18	15	47	2.77	−1.46	0.95	0	5	20	3	6	n.	A. O. Matthews.
Mayesville (near)	Sumter	70	...	50.4	...	77	1	16	15	48	3.51	...	1.31	T.	8	17	4	8	n.	Lewis E. Warren.
Oaks	Georgetown	...	...	[b]49.4	...	[b] 80	1	[b] 18	15	[b]46	2.33	...	0.98	0	8	20	4	5	s.	O. M. Mitchell.
Pinopolis **	Berkeley	54	66	49.3	+1.2	76	1	22	15	...	2.27	−1.25	0.67	0	6	18	0	9	...	Miss E. P. Ravenel.
Rimini	Clarendon	97	6	...	...	...	...	...	...	...	3.15	...	1.20	0	8	...	...	...	...	William B. Wolfe.
St. George	Dorchester	109	27	[l]49.8	+2.7	81	1	[l] 20	15	[l]39	2.41	−1.74	0.75	0	7	17	5	7	sw.	R. S. Weeks.
St. Matthews	Calhoun	269	27	50.9	+5.0	77	† 1	18	16	43	3.10	−1.84	1.61	0	3	16	12	1	s.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	20	...	...	...	...	...	...	...	2.86	−1.64	1.15	0	7	...	...	...	...	W. G. Walker.
Society Hill	Darlington	192	24	[g]45.4	+1.0	[g] 77	1	[g] 15	15	[g]48	3.04	−1.72	1.65	T.	8	20	2	7	n.	T. S. Lucas.
Summerville	Dorchester	75	18	52.6	+3.8	79	1	20	15	44	2.56	−1.88	0.94	0	10	15	12	2	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	13	53.2	+2.8	81	1	20	15	49	1.55	−2.77	0.62	0	8	19	4	6	...	J. A. Westerberg.
Yemassee	Hampton	24	20	51.4	+3.0	81	1	19	15	47	1.97	−2.06	0.70	0	5	17	4	8	...	J. G. Hutson.
Division means and extremes		...	...	49.8	+2.5	81	1	11	15	51	2.66	−1.73	1.77	T.	7	17	6	6	sw.	
Western Portion.																				
Aiken	Aiken	527	55	[d]48.8	−0.2	[d] 74	† 12	[d] 18	15	[d]43	4.10	+0.02	1.35	0	6	15	7	7	sw.	W. M. Brown.
Anderson	Anderson	764	20	46.8	+2.9	75	18	20	15	49	5.84	+0.34	1.84	2.5	10	18	0	11	w.	H. H. Russell.
Batesburg	Lexington	656	27	47.5	+2.7	72	23	19	15	37	4.89	−0.85	1.74	T.	8	17	4	8	se.	E. J. Hite.
Blairs	Fairfield	293	13	...	...	...	...	...	...	...	5.58	+1.68	2.30	T.	7	...	...	...	...	J. N. Owens.
Calhoun Falls	Abbeville	508	23	...	...	...	...	...	...	...	6.32	+1.16	2.97	T.	7	...	...	...	...	L. M. Parker.
Camden	Kershaw	222	56	48.9	+2.5	75	18	22	† 16	47	4.23	+0.09	1.36	0	9	15	6	8	ne.	W. C. Brown.
Catawba	York	562	12	...	...	...	...	...	...	...	5.78	+1.27	2.55	3.0	9	...	...	...	...	James C. Faris.
Chappells	Newberry	402	12	...	...	...	...	...	...	...	4.78	+1.07	2.07	0	5	...	...	...	...	J. J. Murran.
Clemson College	Oconee	850	24	47.7	+5.2	71	18	21	15	45	5.87	+0.45	1.51	3.5	8	16	5	8	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	29	49.2	+1.4	74	18	18	15	33	3.76	−0.95	1.88	T.	10	19	2	8	n.	U. S. Weather Bureau.
Edgefield	Edgefield	...	2	...	...	...	...	...	...	...	4.89	...	1.80	T.	8	...	...	...	...	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	3	...	...	...	...	...	...	...	5.98	+1.58	2.75	4.0	5	...	...	...	...	Harry A. Parshall.
Greenville	Greenville	989	23	44.2	+3.7	75	18	16	15	50	5.96	+0.68	1.92	4.1	9	14	8	7	sw.	J. H. Woodside.
Greenwood	Greenwood	671	27	45.8	+2.8	72	12	17	15	41	6.37	+1.56	3.22	T.	7	21	0	8	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	15	45.0	+3.0	70	18	16	14	44	3.57	−0.71	2.30	T.	5	17	7	5	w.	J. Marvin Bowers.
Landrum	Spartanburg	1063	1	44.2	...	71	† 18	17	15	47	5.95	...	2.20	3.1	7	17	8	4	...	R. Hartwell Wilds, D.D.S.
Liberty	Pickens	900	17	45.8	+3.3	70	† 17	19	15	47	5.09	−0.70	2.04	3.0	7	17	8	4	sw.	John T. Boggs.
Little Mountain	Newberry	711	23	49.2	+4.0	74	20	18	15	44	4.45	−0.34	2.15	T.	7	19	1	9	w.	J. M. Sease, M. D.
Meriwether	Edgefield	450	13	50.5	+4.1	75	23	20	15	41	5.21	+0.63	1.65	T.	5	15	4	10	...	William S. Middleton.
Monetta	Saluda	400	9	50.0	...	73	† 1	19	15	40	5.30	...	1.78	T.	9	14	11	4	sw.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	...	43.8	...	71	17	14	15	47	5.48	...	2.54	5.2	8	16	7	6	...	J. H. Brown.
Newberry	Newberry	502	13	48.0	+3.8	74	18	19	15	41	5.89	+1.75	3.00	1.0	10	15	6	8	sw.	Warren G. Peterson.
Pelzer	Anderson	850	12	...	...	...	...	...	...	...	6.86	+2.38	2.55	3.2	10	...	...	...	...	Joshua Y. Jones.
Saluda	Saluda	536	15	47.8	+1.5	74	19	19	15	44	4.57	−0.17	2.04	T.	9	20	4	5	n.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	23	46.2	+3.6	72	18	17	15	44	5.65	+0.71	1.80	1.7	9	16	7	6	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	27	44.0	+1.7	72	18	18	† 15	46	5.28	+0.47	2.32	4.0	8	...	...	...	...	F. P. Robinson.
Trenton	Edgefield	620	23	49.3	+3.2	72	23	19	15	40	5.87	+0.45	1.70	T.	6	17	5	7	w.	Mrs. S. E. Long.
Winthrop College ‡‡	York	690	17	46.0	+3.3	73	18	16	15	44	3.79	−0.33	2.35	2.0	5	15	10	4	sw.	W. P. Goodman.
Division means and extremes		...	...	47.1	+2.8	75	18	14	15	50	5.26	+0.57	3.22	1.4	8	17	6	6	sw.	
State means and extremes		...	...	48.5	+1.6	81	1	11	15	51	3.96	−0.48	3.22	0.7	8	17	6	6	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.
T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for February, 1916.

Stations.	Watershed.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ||||	Savannah			1.15		.05				T.	.43				.20										.05	.12				.77			2.77
Beaufort	Coast		.45							.10				.55											.03					.61			1.74
Blackville ||||	Edisto			1.00							.10				.10										.25					1.00			2.45
Bowman	do	.88	.63							.77				.22											.09				.31				2.90
Centenary	Pee Dee		.60	.48		.18				.65				.14	.07										.05	.04			T.	.84			3.05
Charleston ***	Coast		.16	.02					T.	.21				.08											.05	.01			.02	.92			1.47
Cheraw ||||	Pee Dee		.30	1.72		.01				.30	.10				.15										.10	.11		.01		.67			3.47
Conway ||||	Waccamaw			.45		.43	T.	T.			.65				.78										.22	T.	T.	T.		.98			3.51
Darlington ||||	Pee Dee			1.61		.03				.12					.32										.11	.05	.03			.40			2.67
Dillon	Little Pee Dee			.38		.19				.45				.40											.12	.09	T.		T	.73			2.36
Edisto ||||	Edisto			.96							.15				.28										.04	.10				.72			2.25
Effingham ||||	Lynches			1.77			.15			.07	.40														.26	.05				.95			3.65
Ferguson ||||	Santee			.65		.05					.25				.33															.65			1.93
Florence 1 ||||	Pee Dee			1.67		.05				.14	1.12					.40									.42	.05	.03	.02		.81			4.71
Florence 2	do	T.	1.35	.18		.10				.25				.15											.10	.05			T.	.85			3.03
Georgetown	Coast		T.	T.						.95				.05										T.					T.	T.			1.00
Kingstree ||||	Black			.80							.45					.45											.12			.95			2.77
Mayesville (near)	do		1.31	.35		.20				.56				.04											.05	.05			T.	.95			3.51
Oaks	do			.38		.65	.01				.01				.18										.08	.04	T.		T.	.98			2.33
Pinopolis	Cooper		.50		.06						.48			.55											.01				.67				2.27
Rimini ||||	Santee			1.20		.14				.01	.30				.43										.05	.07				.95			3.15
St. George ||||	Edisto			.75		.09					.57				.08										.08	.09				.75			2.41
St. Matthews ||||	Santee			1.61																						.55				.94			3.10
Smiths Mills ||||	Pee Dee			.42		.23	.12				.37				.52										.05					1.15			2.86
Society Hill ||||	do		.23	1.65			.01			.26				.15										.13	.02				.59				3.04
Summerville	Ashley		.27	.36		.05				.39		.02		.36											.01	.13			.03	.94			2.56
Walterboro	Ashepoo		.54	.12						.10				.02											.05	.07			.03	.62			1.55
Yemassee ||||	Combahee			.70						T.	.54				.05											.06				.62			1.97
Western Portion.																																	
Aiken	Edisto	.80	1.35							.25				.05										.30						1.35			4.10
Anderson	Savannah	1.27	1.84	.05						.15				.47										.05	1.13	.02			.50	.36			5.84
Batesburg ||||	Edisto		1.74	1.02						.11	.30				.09										.52	.14				.97			4.89
Blairs ||||	Broad		2.30	.90						.28					.15										.92	.13				.90			5.58
Calhoun Falls ||||	Savannah	.43	2.97	.16										.19	.36										1.10					1.11			6.32
Camden ||||	Wateree		.77	1.36						.05	.40			.97											.09	.10		.02		.47			4.23
Catawba ||||	Catawba	.06	2.55	.99						.01	.03				.22										1.07	.08				.77			5.78
Chappells ||||	Saluda		2.07	.34																					1.00	.40				.97			4.78
Clemson College	Savannah	1.11	1.49	.18				T.		.22				.10										.09	1.51			T.	1.17				5.87
Columbia ***	Congaree	.57	1.36	.02		T.			.01	.51				.07										T.	.34	.02	T.		.56	.30			3.76
Edgefield ||||	Savannah		1.80	.65						.05	.50				.15										.80	.09				.85			4.89
Gaston Shoals ||||	Broad	.83	2.75	.08							T.			T.	.21									T.	.65	.90				.56			5.98
Greenville ||||	Saluda	.79	1.92	.31						T.	.07			.03	.10									T.	1.36	.42				.96			5.96
Greenwood ||||	do	.30	3.22	.39						.12															1.32	.20				.82			6.37
Heath Spring	Wateree		2.30							.41				.15											.48					.23			3.57
Landrum	Broad	1.36	1.88	.03						T.				.04										T.	2.20	.15			.29				5.95
Liberty	Savannah	.20	2.04	T.						.20				.25										.20	1.70		T.			.50			5.09
Little Mountain	Saluda	.40	2.15							T.				.10										.03	.70	.15			T.	.92			4.45
Meriwether	Savannah	1.65	1.60							.23				T.										T.	.61					1.12			5.21
Monetta	Edisto	1.45	1.78	.05						.37				.06											.60	.05			.05	.89			5.30
Mountain Rest	Savannah		2.54	.07						.16				.07										.27	1.02		T.		.68	.67			5.48
Newberry	Saluda	.48	3.00	.06						.03				.13										.09	1.10	.12			.02	.86			5.89
Pelzer ||||	do	1.10	2.55	.10							.22			.05	.10									.08	1.04	.66				.96			6.86
Saluda	do	.71	2.04	.08						.06				.05										.69	.08				.06	.80			4.57
Santuck	Broad	1.59	1.80	.02					T.	.06				.21										.08	1.10				.29	.50			5.65
Spartanburg ||||	do	.80	2.32	.10							.02				.04										.55	.75		T.		.70			5.28
Trenton	Edisto	1.50	1.70	T.						.60				.09										T.	1.00				T.	.98			5.87
Winthrop College	Catawba	.02	2.35											.12											1.10	T.			.20				3.79

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature.			Precipitation.		Average number of days—			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	52.6	80	24	3.41	12				
1888	49.9	76	15	4.83	10				ne.
1889	41.9	75	10	5.60	8				* w.
1890	56.1	83	21	2.38					sw.
1891	54.7	83	13	4.23					sw.
1892	49.2	73	18	3.64					* sw.
1893	51.0	82	25	5.05	12				
1894	48.9	76	16	4.35	10	8	9	11	sw.
1895	37.4	78	− 6	3.07	7	13	6	9	nw.
1896	48.2	81	5	6.13	8	13	8	8	sw.
1897	50.0	83	15	7.80	11	10	7	11	sw.
1898	44.5	78	10	0.86	3	15	6	7	w.
1899	43.0	80	− 11	6.98	12	9	7	12	w.
1900	44.0	78	1	5.77	10	9	7	12	w.
1901	43.2	78	7	3.08	6	14	7	7	nw
1902	40.6	77	11	5.89	8	12	6	10	nw.
1903	49.0	81	11	7.03	10	10	7	11	sw.
Continued—									
1904	45.2	86	15	3.59	9	12	6	11	ne.
1905	38.9	72	0	5.21	9	10	4	14	ne.
1906	46.0	76	12	2.58	6	16	5	7	ne.
1907	45.1	84	16	3.63	8	10	8	10	ne.
1908	43.6	81	12	5.28	10	14	6	9	w.
1909	52.2	84	12	4.49	8	15	7	6	sw.
1910	44.7	79	15	4.71	9	12	6	10	w.
1911	52.1	85	20	1.60	5	13	8	7	sw.
1912	42.3	80	8	5.99	8	15	5	9	w.
1913	48.9	80	22	4.50	8	12	4	12	w.
1914	44.6	78	14	4.41	9	12	6	10	n.
1915	48.6	80	20	3.15	6	15	6	7	n.
1916	48.5	81	11	3.96	8	17	6	6	sw.
Period	46.9	86	− 11	4.44	9	13	6	9	sw.

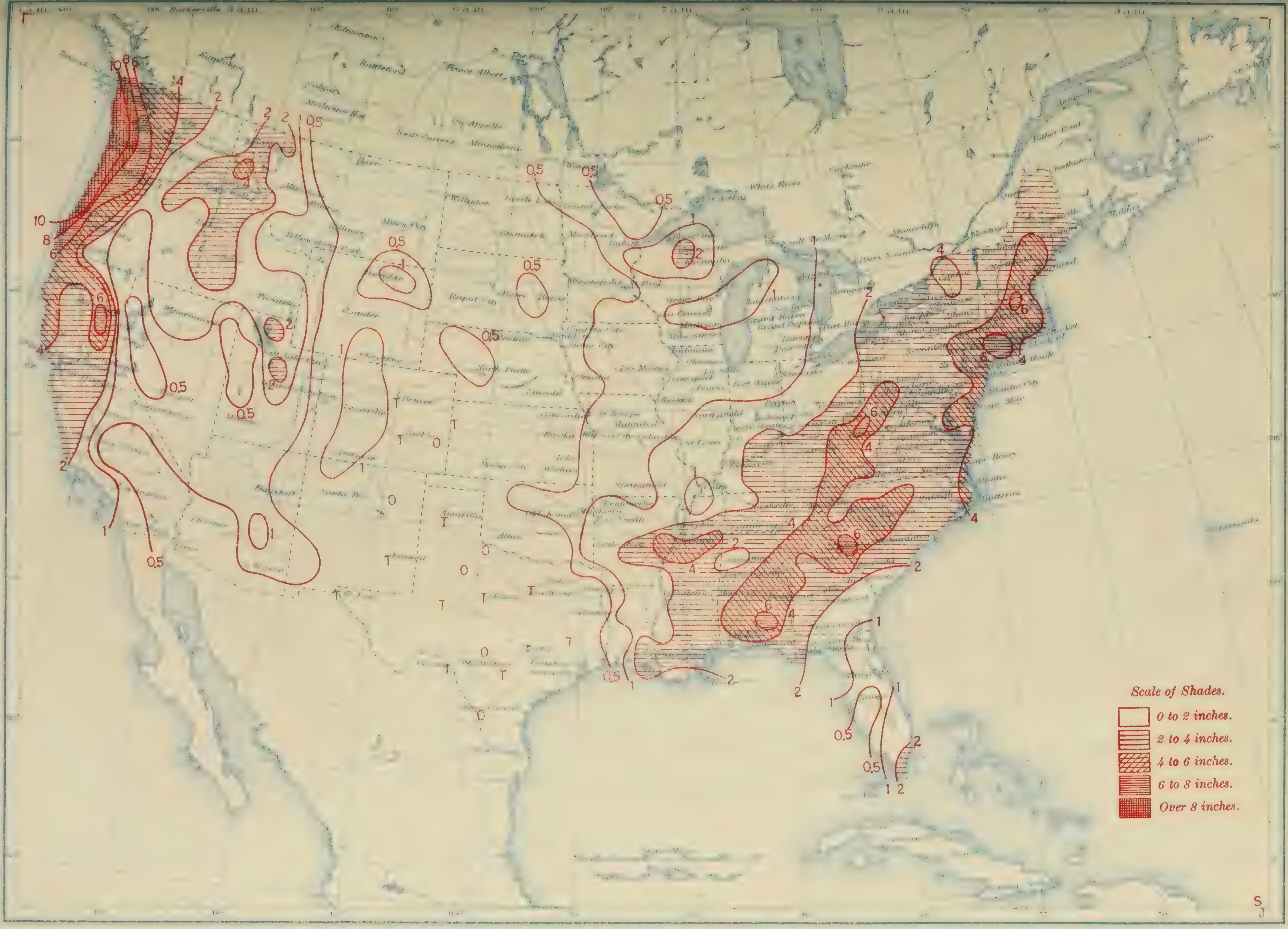
* Also nw.

Daily Temperatures for February, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	76	....	48	50	62	68	67	66	75	66	70	76	68	50	46	61	68	76	55	67	73	62	77	59	57	55	51	53	46	....	....	[a] 62.4
	Minimum	....	....	35	27	33	39	42	29	33	36	38	38	48	42	22	24	38	44	38	38	43	45	49	50	39	32	33	33	35	....	....	[b] 37.1
Beaufort	Maximum	75	68	49	52	65	65	70	65	75	63	68	75	70	61	46	58	68	74	65	65	70	58	70	63	53	55	53	51	57	....	....	63.0
	Minimum	59	46	36	32	43	50	50	43	45	46	46	46	49	31	22	28	43	48	40	38	43	49	48	46	40	34	35	38	44	....	....	42.0
Blackville §§	Maximum	79	76	50	65	70	70	71	75	75	76	77	76	72	42	55	60	76	75	....	....	76	....	71	57	57	56	54	49	52	....	....	[c] 65.8
	Minimum	58	55	33	28	36	40	44	39	51	40	34	46	56	29	19	24	30	38	36	33	39	49	44	45	37	30	31	30	37	....	....	38.3
Bowman	Maximum	72	55	58	60	65	69	71	75	74	70	71	75	74	55	44	55	60	70	60	65	70	72	75	60	58	50	47	58	65	....	....	63.9
	Minimum	52	40	25	30	38	47	35	45	48	45	30	40	44	26	19	17	22	45	36	31	37	45	50	47	40	31	30	28	38	....	....	36.6
Centenary	Maximum	72	72	53	45	54	59	61	61	60	60	61	66	66	52	37	47	56	69	69	63	63	55	65	65	61	50	50	44	42	....	....	57.9
	Minimum	62	52	36	27	36	37	48	36	45	40	33	42	51	20	17	22	32	41	25	28	37	39	37	53	42	32	32	23	36	....	....	36.6
Charleston	Maximum	76	72	50	51	61	64	71	58	75	59	65	72	72	42	43	54	66	72	58	62	68	56	70	66	54	54	50	50	55	....	...	60.9
	Minimum	61	50	39	36	44	52	52	45	53	49	48	52	42	28	22	32	41	50	40	39	45	45	48	48	41	34	35	36	44	....	....	43.1
Cheraw §§	Maximum	64	48	39	46	60	62	64	54	62	62	68	72	70	34	43	54	66	74	48	68	66	54	70	60	46	52	45	48	44	....	....	56.7
	Minimum	64	48	30	27	33	40	47	33	46	38	38	44	60	25	16	26	34	40	30	30	44	38	43	54	40	32	30	28	34	....	....	37.7
Conway §§	Maximum	79	75	48	53	61	63	66	63	73	65	75	70	70	39	43	57	66	75	66	66	71	62	73	66	48	54	47	55	49	....	....	62.0
	Minimum	63	59	36	27	34	33	48	36	44	43	32	59	55	27	17	23	37	44	36	34	36	38	41	54	43	32	34	26	38	....	....	38.9
Darlington §§	Maximum	77	70	48	50	62	66	70	59	68	66	70	74	70	38	44	58	....	71	50	70	70	56	70	65	50	54	48	51	48	....	....	[a] 60.5
	Minimum	60	63	34	26	31	38	47	35	41	31	31	40	51	25	11	20	31	....	27	29	32	39	35	45	40	32	31	22	26	....	....	[a] 34.8
Dillon	Maximum	....	70	46	51	61	65	69	60	69	....	70	75	74	34	42	57	....	....	75	68	70	54	71	67	57	55	47	53	46	....	....	[d] 60.2
	Minimum	....	43	35	24	34	42	51	34	44	....	33	42	24	24	17	22	....	....	33	29	39	36	35	57	40	32	23	25	33	....	....	[d] 34.2
Ferguson §§	Maximum	80	72	47	52	62	67	70	75	65	75	65	65	76	38	42	58	68	63	50	68	73	75	75	65	55	50	48	54	40	....	....	61.8
	Minimum	64	65	39	30	30	40	49	42	43	33	33	33	31	29	20	21	22	43	35	31	43	43	43	50	43	35	32	31	32	....	....	37.4
Florence 1 §§	Maximum	77	67	45	48	59	65	71	59	61	62	70	74	70	48	42	57	62	55	51	60	62	65	70	63	46	54	49	53	44	....	....	58.9
	Minimum	58	62	35	27	30	37	45	35	36	41	34	35	45	42	19	19	24	37	34	32	32	30	39	55	41	32	31	26	29	....	....	35.9
Georgetown	Maximum	80	76	50	44	62	70	71	60	72	78	68	74	78	40	42	65	67	76	52	68	70	62	74	56	55	52	50	55	48	....	....	62.6
	Minimum	60	62	38	30	38	43	40	36	44	40	35	40	38	28	18	23	36	48	36	36	46	41	43	48	33	32	34	31	37	....	....	38.4
Kingstree §§	Maximum	81	72	46	52	61	67	71	61	74	64	70	76	74	36	41	58	67	74	50	67	71	56	74	56	65	55	48	55	46	....	....	61.7
	Minimum	54	62	38	27	27	35	50	38	39	42	32	33	47	27	18	20	20	38	35	32	39	39	39	44	39	42	33	26	27	....	....	35.9
Mayesville (near)	Maximum	77	73	50	50	60	67	70	65	72	65	70	75	73	64	43	59	67	76	69	70	69	68	73	67	58	54	51	57	49	....	....	64.2
	Minimum	61	48	34	21	34	41	46	36	46	38	32	42	56	25	16	20	35	40	34	28	35	41	37	55	41	30	30	24	35	....	....	36.6
Oaks	Maximum	80	....	63	52	61	65	71	60	....	65	70	76	64	48	43	57	66	74	69	66	71	71	72	66	56	54	48	55	47	....	....	[b] 62.6
	Minimum	60	....	37	27	36	42	50	36	....	42	30	41	40	27	18	21	35	41	35	29	36	40	38	50	42	27	32	25	38	....	....	[b] 36.1
St. George §§	Maximum	81	70	49	54	63	67	71	67	66	65	71	73	74	40	45	61	69	77	54	70	75	60	70	63	55	56	51	57	56	....	....	63.1
	Minimum	....	....	....	....	....	....	....	....	....	45	43	....	....	....	20	22	35	42	47	33	42	42	38	34	38	35	33	36	37	....	....	[l] 36.6
St. Matthews §§	Maximum	77	68	48	49	62	67	70	59	72	63	68	70	72	39	51	60	69	77	55	71	72	73	76	63	57	59	51	55	47	....	....	62.8
	Minimum	58	64	36	28	35	44	49	38	47	41	32	44	50	29	19	18	36	49	34	34	41	42	45	55	39	31	31	27	36	....	....	39.0
Society Hill §§	Maximum	77	65	43	47	62	....	....	....	....	....	....	....	71	34	43	57	67	76	60	69	67	56	72	63	51	52	46	51	45	....	....	[g] 57.9
	Minimum	58	53	33	28	33	37	....	....	....	....	....	....	....	23	15	16	21	36	30	31	38	37	37	46	39	30	30	22	24	....	....	[g] 32.9
Summerville	Maximum	79	74	67	52	64	69	72	69	77	65	70	76	75	62	44	59	67	76	71	68	72	58	75	64	55	55	51	55	49	....	....	65.2
	Minimum	59	62	37	29	39	44	44	40	48	44	36	45	54	30	20	23	36	45	37	31	39	45	42	50	42	32	33	31	40	....	....	39.9
Walterboro	Maximum	81	71	60	54	66	70	72	68	78	68	73	78	77	62	47	61	70	78	71	70	75	60	77	63	55	57	52	56	48	....	....	66.1
	Minimum	61	59	35	26	37	45	49	39	51	44	35	43	56	30	20	21	37	49	36	31	42	48	43	51	40	32	33	31	41	....	....	40.2
Yemassee §§	Maximum	81	70	49	55	66	72	72	69	77	68	73	73	79	43	43	60	68	77	53	68	74	65	77	63	54	55	52	55	52	....	....	64.2
	Minimum	55	58	33	26	37	38	50	35	51	44	37	40	43	32	19	20	36	48	38	30	40	49	44	56	37	29	29	32	34	....	....	38.6
Western Portion.																																	
Aiken	Maximum	72	65	47	62	62	66	67	61	70	....	....	74	67	35	46	61	70	....	70	68	74	74	68	....	54	54	49	51	46	....	....	[d] 61.3
	Minimum	59	41	30	27	29	45	45	37	50	....	....	49	39	25	18	29	35	....	30	35	40	45	45	....	35	29	29	26	34	....	....	[d] 36.4
Anderson	Maximum	65	51	46	46	58	65	65	56	64	68	68	72	65	43	49	61	74	75	53	69	72	59	61	55	53	56	50	44	43	....	....	58.9
	Minimum	45	41	28	26	31	35	42	32	38	38	38	46	41	26	20	25	37	43	28	32	40	40	44	45	35	29	26	24	30	....	....	34.7
Batesburg §§	Maximum	66	64	43	47	52	66	65	57	64	64	66	67	63	37	45	49	67	71	49	59	69	61	72	55	51	50	46	47	46	....	....	57.2
	Minimum	59	60	33	29	32	37	47	39	41	42	43	45	48	26	19	23	33	42	34	32	35	45	47	50	37	31	31	29	27	....	....	37.8
Camden §§	Maximum	71	64	46	49	62	66	66	66	65	65	68	74	45	37	45	69	68	75	51	52	67	54	73	63	55	54	50	44	45	....	....	59.0
	Minimum	63	63	36	36	37	39	57	61	50	51	32	32	26	26	24	22	22	32	33	34	43	43	47	47	43	22	33	37	35	....	....	38.8
Clemson College	Maximum	64	63	48	45	60	60	60	57	62	62	61	67	67	59	45	55	70	71	68	64	66	65	55	55	52	49	45	45	41	....	....	58.0
	Minimum	59	47	31	27	29	33	41	31	45	37	32	42	54	30	21	25	40	48	32	36	39	42	44	50	43	33	31	27	32	....	....	37.4
Columbia	Maximum	70	65	44	48	61	65	67	57	66	64	67	74	66	38	44	60	68	74	50	67	70	57	74	60	53	53	47	48	48	....	....	59.5
	Minimum	62	38	35	29	37	46	18	38	48	42	39	50	38	26	18	27	39	50	34	35	45	44	48	43	37	32	32	30	35	....	....	38.8
Greenville §§	Maximum	61	45	46	47	59	63	62	53	64	67	67	70	69	44	50	61	73	75	53	71	71	58	57	51	52	53	51	46	47	....	....	58.1
	Minimum	56	43	25	23	25	29	31	31	32	40	29	31	43	23	16	19	23	29	28	25	32	32	40	46	34	25	25	21	23	....	....	30.3
Greenwood §§	Maximum	65	49	43	48	58	64	63	58	62	65	68	72	60	39	48	59	70	71	51	67	71	58	69	53	53	53	47	46	44	....	....	57.7
	Minimum	57	45	31	25	26	32	39	32	33	37	35	35	60	26	17	18	29	37	29	30	37	41	41	47	36	31	29	26	26	....	....	34.0
Heath Spring	Maximum	66	63	43	43	53	59	62	54	50	61	64	69	59	41	47	58	63	70	59	65	65	54	66	55	52	58	45	35	41	....	....	55.9
	Minimum	59	37	32	26	32	31	45	32	32	37	39	49	23	16	22	25	26	45	29	33	42	36	42	48	39	31	29	26	25	....	....	34.1
Landrum	Maximum	60	51	42	44	58	62	55	51	64	65	65	69	61	41	46	58	70	71	60	71	67	55	61	52	45	42	41	43	48	....	....	55.9
	Minimum	51	40	24	19	20	29	42	28	41	42	30	41	36	20	17	23	41	39	26	29	36	32	45	44	39	29	25	26	29	....	....	32.5
Liberty	Maximum	62	56	58	49	52	62	60	53	63	64	64	69	64	43	47	56	70	70	65	68	69	58	55	53	47	42	46	41	44	....	....	56.9
	Minimum	53	45	28	25	26	33	42	33	43	39	32	42	43	26	19	23	38	44	28	34	39	38	43	43	39	30	26	23	30	....	....	34.7
Little Mountain	Maximum	70	65	46	47	59	65	66	58	67	65	68	72	64	48	44	59	68	70	72	74	71	61	72	62	52	54	46	45	43	....	....	60.4
	Minimum	61	39	32	27	33	54	50	35	53	41	41	41	47	24	18	31	36	38	38	30	44	41	48	45	37	31	29	27	32	....	....	38.0
Meriwether	Maximum	70	63	47	52	61	66	67	67	67	67	70	70	67	55	49	61	71	74	69	69	73	73	75	64	53	54	50	49	48	....	....	62.8
	Minimum	60	46	33	25	33	41	47	32	45	45	32	48	54	28	20	25	38	38	32	39	40	46	47	48	38	32	31	30	35	....	....	38.2
Monetta	Maximum	73	63	44	47	60	65	66	59	65	65	68	72	68	53	46	59	69	73	67	67	72	66	72	68	52	53	48	49	47	....	....	61.2
	Minimum	60	41	33	29	34	44	48	36	50	42	38	49	52	25	19	29	36	50	33	37	42	46	47	47	37	33	31	27	34	....	....	38.9
Mountain Rest	Maximum	62	59	45	44	57	62	56	52	62	62	62	66	67	40	46	57	71	69	54	66	68	60	52	51	45	48	42	42	39	....	....	55.4
	Minimum	54	43	21	20	23	32	39	28	42	35	32	43	38	25	14	24	34	49	24	29	39	33	41	44	34	28	21	21	27	....	....	32.3
Newberry	Maximum	69	69	44	47	59	65	66	55	62	65	68	72	64	50	44	59	68	74	63	67	70	61	72	58	53	52	48	48	44	....	....	59.9
	Minimum	62	39	32	26	31	35	44	34	44	36	31	42	50	25	19	24	33	46	32	29	40	42	45	47	37	32	30	25	33	....	....	36.0
Saluda	Maximum	70	65	45	49	61	66	67	58	65	65	65	73	65	53	48	61	69	68	74	68	73	73	61	55	53	54	48	47	47	....	....	60.9
	Minimum	60	41	32	24	29	37	45	31	45	33	34	29	52	26	19	22	37	38	31	30	35	45	47	37	31	30	30	24	34	....	....	34.8
Santuck	Maximum	68	60	42	45	57	62	62	53	61	64	66	70	62	48	44	57	66	72	60	67	68	58	68	57	56	52	46	47	44	....	....	58.0
	Minimum	58	38	30	25	29	34	40	32	42	35	32	40	48	24	17	22	33	45	28	31	39	39	42	44	40	30	27	25	31	....	....	34.5
Spartanburg §§	Maximum	60	42	41	46	58	62	57	52	62	66	66	68	58	38	46	57	70	72	50	69	70	57	65	53	48	52	44	45	45	....	....	55.8
	Minimum	56	42	27	23	24	28	40	31	32	38	31	32	48	23	18	18	24	34	28	28	36	39	40	47	40	30	26	27	28	....	....	32.3
Trenton	Maximum	70	64	44	49	58	63	63	59	64	65	67	71	65	52	46	59	67	70	60	66	73	67	72	64	57	50	45	49	47	....	....	60.2
	Minimum	59	43	31	27	34	44	46	36	49	41	40	49	51	26	19	29	38	48	31	36	42	45	47	44	38	30	29	28	34	....	....	38.4
Winthrop College	Maximum	66	58	43	44	58	60	61	52	59	64	64	70	65	43	44	56	66	73	61	68	68	58	68	58	50	50	45	45	45	....	....	57.3
	Minimum	58	35	29	25	30	39	44	30	43	37	37	42	42	20	16	27	34	43	29	32	40	37	43	43	40	30	26	23	31	....	....	34.7

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.



Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
10
8
6
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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

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CLIMATOLOGICAL DATA

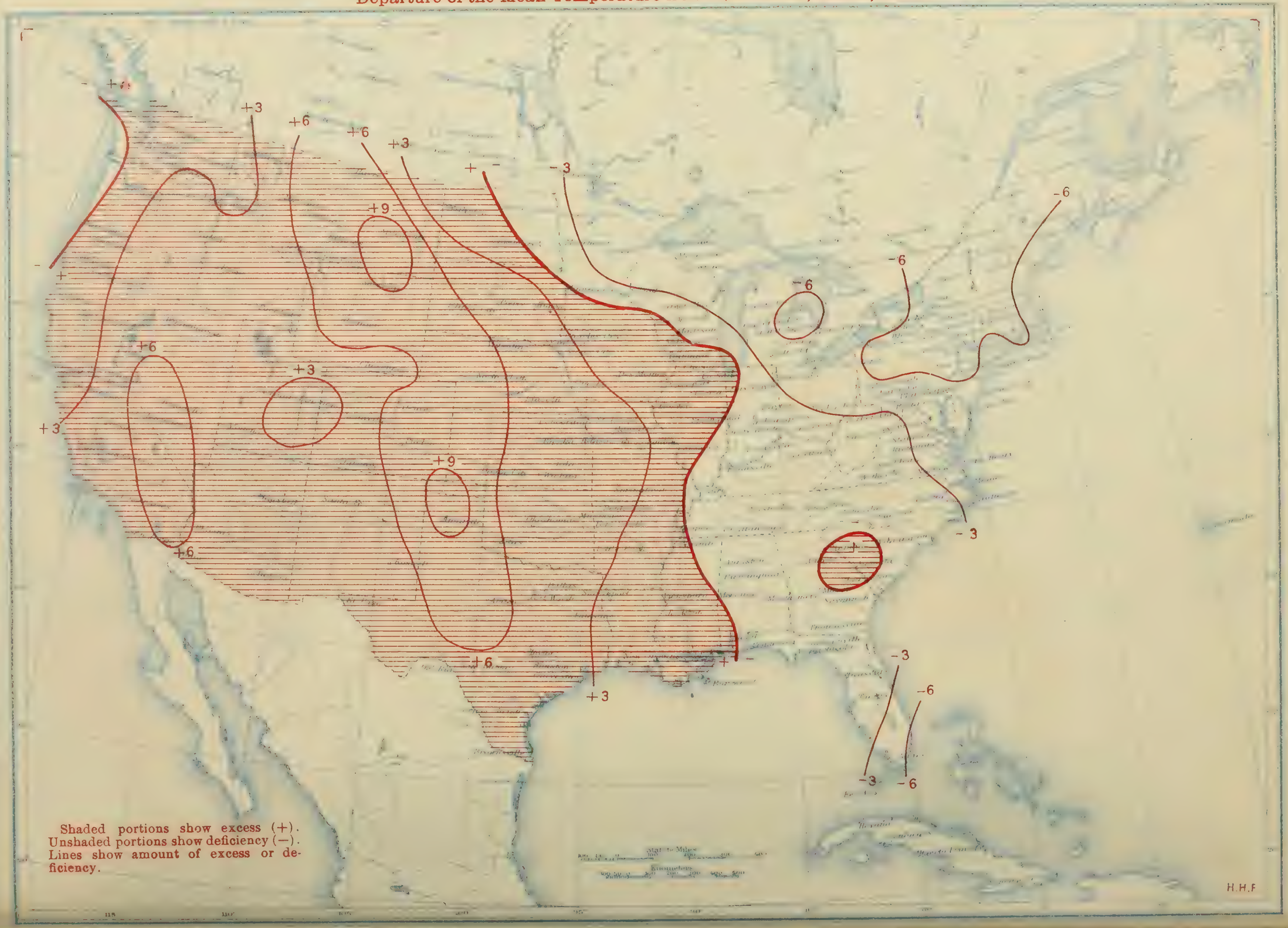
SOUTH CAROLINA SECTION

MARCH, 1916

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
May 3, 1916.

Departure of the Mean Temperature from the Normal, March, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

Vol. XIX. Columbia, S. C., March, 1916. No. 3.

GENERAL SUMMARY.

March, 1916, was unusually windy and very dry. The sustained cold of the first two decades, with three marked changes to low temperatures, was not offset by the succeeding warmth, and thermal conditions were somewhat below the seasonal average for the month as a whole. Sharp freezes during the early part of the month caused considerable damage to early truck on the coastal plain, necessitating much replanting, but fruits suffered no material frost injury. While the season was backward, winter grains continued in wholesome condition. The weather has been favorable for outdoor work, and much plowing and planting has been done. Warm rains were needed at the close of the month for winter grain crops, to improve pastures and to germinate seed in cornfields and gardens.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 29.99 inches. The highest pressure in the region covered by reports was 30.36 inches at Asheville, N. C., on the 4th, and at Wilmington, N. C., on the 20th, and in the Section proper, 30.35 inches at Columbia on the 12th; lowest pressure, 29.23 inches at Charlotte, N. C., on the 22d, and in the Section proper, 29.37 inches at Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 43 stations, was 53.7°, or 0.9° below the established normal. The highest temperature was 87° at Aiken, Aiken Co., on the 22d. The warmest period was generally between the 21st and 25th. The lowest temperature was 15° at Mountain Rest, Oconee Co., on the 9th. The coldest periods of the month were on the 3d and 4th, 9th and 10th and 15th to 17th, and during the first two decades daily mean temperatures above normal were an exception.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 73%; 8 p.m., 57%. The highest percentages occurred over the extreme eastern counties, and the lowest, over the north-central districts.

PRECIPITATION.

The average for the Section, 56 stations reporting, was 2.14 inches, or 1.72 inches below the established normal. By far the larger portion of the rainfall occurred on the 2d and 3d, 7th and 8th and 21st, but copious showers occurred over the western portion on the 26th and 27th. Though greatly deficient in quantity as a whole, the amounts were fairly well distributed; over the upper coastal plain, the greater part of the Piedmont and the extreme southern coast districts the measurements were less than 2 inches, and at only a few scattered stations were the local monthly amounts above 3 inches. The greatest local monthly amount was 5.57 inches at Georgetown, Georgetown Co.; least amount, 0.82 inch at Meriwether. The greatest 24-hour rainfall at any station was 2.11 inches at Bowman, Orangeburg Co., on the 3d. The average number of rainy days was 38% below normal.

Snow flurries occurred at 8 stations of the upper Piedmont on the 3d and 8th.

WIND.

The prevailing winds were from the southwest. The average hourly velocity, determined from 7 anemometer records, was 11.8 miles, or about 3 miles per hour higher than any previous March record during the past 15 years. The highest average velocity in the region covered by reports was 15.0 miles per hour at Savannah, Ga.; lowest average, 9.0 miles per hour at Augusta, Ga. In the Section proper the average velocities were 12.8 miles per hour at Charleston and 10.7 miles per hour at Columbia. The highest velocity for any 5-minute period was 54 miles per hour from the southwest at Charlotte, N. C., on the 22d, and in the Section proper, 46 miles per hour from the southwest at Columbia on the same date.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 281.1 hours, or 76% of the possible amount. The average number of clear days was 19; partly cloudy, 8, and cloudy, 4, as against normals of 14, 8 and 9 days, respectively.

RIVER CONDITIONS.

Excepting a few sharp rises in the upper rivers incident to copious showers during the first few days, and moderate flood stages in the upper Santee River up to the 17th, the rivers of the Section were relatively low throughout the month.

MISCELLANEOUS PHENOMENA.

Fogs (*dates*).—Centenary, 26; Charleston, 26; Clemson College, 25; Gaston Shoals, 2; Landrum, 2, 25, 26; Mayesville (near), 26; Mountain Rest, 25; Pelzer, 2; Rimini, 18; Smiths Mills, 26.

Hail (*dates*).—Centenary, 7; Cheraw, 7; Little Mountain, 7; Meriwether, 7; Oaks, 3; Saluda, 7; Santuck, 25; Summerville, 7; White Oak, 7.

Halos (*dates*).—*Lunar:* Columbia, 18, 21. *Solar:* Columbia, 4, 20, 26; Liberty, 17, 20.

Meteors (*date*).—Newberry, 14, very bright in west just before sunset; Santuck, 14, at dusk, very bright.

Thunderstorms (*dates*).—Batesburg, 1, 2; Centenary, 2, 3, 7, 21; Charleston, 2, 3, 7, 21; Cheraw, 7; Columbia, 1, 2, 3, 7; Darlington, 2, 8; Florence No. 2, 2, 3, 26; Landrum, 3; Liberty, 3, 7, 21, 26, 27; Little Mountain, 2, 7; Mountain Rest, 2, 7, 27; Newberry, 2, 3, 7, 21, 26; Oaks, 2, 3; St. George, 7; Santuck, 2, 3, 7, 21, 25, 26; Walterboro, 2, 3; White Oak, 7; Yemassee, 2.

MISCELLANEOUS DATA FOR MARCH, 1916.

Stations.	Barometer—sea level.	Temperature degrees Fahr.			Precipitation—inches.		Wind.		Mean relative humidity		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity—miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	29.98	44.5	76	13	1.74	0.66	11.6	nw.	76	57	61
Augusta, Ga.......	30.00	55.7	84	27	1.39	0.80	9.0	nw.	75	59	83
Charleston, S. C...	30.01	55.2	78	29	1.96	1.12	12.8	sw.	71	65	80
Charlotte, N. C...	29.96	49.8	77	21	1.38	0.32	14.1	sw.	72	47	84
Columbia, S. C....	29.99	54.6	81	26	1.98	0.84	10.7	sw.	71	43	76
Savannah, Ga.....	30.02	57.2	83	30	1.37	0.50	15.0	sw.	72	58	75
Wilmington, N. C.	29.98	52.0	80	25	2.83	1.19	9.4	sw.	74	68	71
Means and extremes.....	29.99	52.7	84	13	1.81	1.19	11.8	sw.	73	57	76

Climatological Data for March, 1916.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit on. (0.01 in. or more)	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	27	56.5	−1.2	84	25	27	9	39	2.30	−0.52	0.80	0	3	....	....	....	.....	R. B. Vance.
Beaufort ††	Beaufort	21	29	^{a}55.5	−3.5	^{a} 81	22	^{a} 28	9	^{a}42	2.21	−1.20	1.10	0	4	17	11	3	sw.	Miss Lillian H. Rice.
Blackville	Barnwell	296	27	^{e}57.8	−0.3	^{a} 85	† 21	^{d} 25	16	^{e}49	1.47	−2.22	0.75	0	3	....	....	....	.....	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	15	55.2	−3.0	84	22	23	12	52	2.96	−1.23	2.11	0	5	26	4	1	sw.	B. O. Evans.
Centenary	Marion	43	....	52.1	......	80	† 25	23	17	46	1.94	....	0.98	0	6	17	9	5	sw.	D. L. Carmichael.
Charleston	Charleston	48	45	55.2	−2.0	78	14	29	9	29	1.96	−1.76	1.12	0	6	22	7	2	sw.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	26	53.4	−0.5	81	25	24	16	42	2.27	−1.45	0.90	T.	7	....	....	....	.....	J. H. Powe.
Conway	Horry	25	30	53.8	−3.0	81	14	26	† 12	43	2.96	−0.74	1.28	0	5	....	....	....	.....	Paul Quattlebaum.
Darlington	Darlington	175	21	52.7	−3.6	83	25	21	12	42	2.06	−1.25	0.87	0	4	19	6	6	.....	D. C. McCall.
Dillon	Dillon	100	13	^{a}54.2	−1.1	^{a} 83	25	^{a} 24	† 9	^{a}50	3.14	−0.27	1.07	0	5	....	....	....	.....	A. E. Rowell.
Edisto ‡‡	Bamberg	143	28	....	....	....	....	....	....	....	2.46	−1.60	1.35	0	4	....	....	....	.....	Nathan Jenkins.
Effingham	Florence	106	23	....	....	....	....	....	....	....	1.99	−2.08	0.93	0	4	....	....	....	.....	H. B. McCall.
Ferguson	Orangeburg	63	30	54.2	−2.1	85	24	28	16	44	3.12	−0.24	1.99	0	3	....	....	....	.....	Joseph P. Simons.
Florence 1	Florence	136	27	52.4	-3.6	84	26	26	† 9	40	2.57	−0.46	1.18	0	6	16	13	2	sw.	H. K. Gilbert.
Florence 2	Florence	136	....	....	....	....	....	....	....	....	2.26	−0.77	1.20	0	3	22	8	1	sw.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	21	55.2	−2.7	82	14	27	12	48	5.57	+2.12	1.65	0	7	17	14	0	nw.	A. P. Hazard.
Kingstree	Williamsburg	54	27	53.9	−3.4	85	22	25	12	44	1.72	−1.73	0.79	0	4	20	4	7	w.	A. O. Matthews.
Mayesville (near)	Sumter	70	....	55.8	......	83	† 22	22	12	49	1.88	....	0.63	0	6	15	11	5	sw.	Lewis E. Warren.
Oaks	Georgetown	....	....	....	....	^{n} 84	22	....	....	....	2.92	....	1.13	0	....	....	....	....	.....	O. M. Mitchell.
Pinopolis **	Berkeley	54	66	54.0	−3.4	82	22	30	† 9	....	3.11	−0.54	1.13	0	4	24	6	1	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	6	....	....	....	....	....	....	....	1.35	....	0.78	0	5	....	....	....	.....	William B. Wolfe.
St. George	Dorchester	109	27	57.6	−0.3	84	22	30	† 9	39	2.63	−0.90	0.97	0	5	16	12	3	sw.	R. S. Weeks.
St. Matthews	Calhoun	269	27	56.2	+0.1	84	25	24	9	43	1.50	−2.02	0.85	0	3	19	12	0	ne.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	20	....	....	....	....	....	....	....	2.71	−1.11	1.15	0	5	....	....	....	.....	W. G. Walker.
Society Hill	Darlington	192	24	51.7	−3.5	83	25	20	12	42	2.31	−1.05	0.93	0	7	20	2	9	w.	T. S. Lucas.
Summerville	Dorchester	75	18	56.0	−2.7	85	22	28	† 9	48	2.81	−0.62	1.30	0	6	6	25	0	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	13	^{b}56.2	−4.6	86	22	^{b} 27	† 9	^{b}48	2.13	−1.73	1.17	0	5	21	8	2	.....	J. A. Westerberg.
Yemassee	Hampton	24	20	55.0	−3.2	85	22	24	12	44	2.05	−1.52	1.27	0	3	23	1	7	.....	J. G. Hutson.
Division means and extremes		....	....	54.7	-2.5	86	22	20	12	52	2.45	−1.16	2.11	T.	4	19	9	3	sw.	
Western Portion.																				
Aiken	Aiken	527	55	^{f}52.6	−3.6	^{f} 87	22	^{f} 21	9	^{f}57	1.05	−2.96	0.55	0	3	18	11	2	w.	W. M. Brown.
Anderson	Anderson	764	20	54.0	−0.4	81	† 19	21	9	45	1.38	−3.75	0.50	0	6	20	0	11	w.	H. H. Russell.
Batesburg	Lexington	656	27	^{d}52.4	-2.7	^{c} 81	25	^{d} 23	15	^{d}44	1.83	−2.73	0.81	0	3	28	1	2	se.	E. J. Hite.
Blairs	Fairfield	293	13	....	....	....	....	....	....	....	2.58	−0.99	1.36	0	5	....	....	....	.....	J. N. Owens.
Calhoun Falls	Abbeville	508	23	....	....	....	....	....	....	....	1.48	−3.34	0.79	0	3	....	....	....	.....	L. M. Parker.
Camden	Kershaw	222	56	53.7	−0.0	83	22	24	† 17	50	2.22	−1.41	0.96	0	6	23	7	1	sw.	W. C. Brown.
Catawba	York	562	12	....	....	....	....	....	....	....	2.00	−2.82	0.80	0	7	....	....	....	.....	James C. Faris.
Chappells	Newberry	402	12	....	....	....	....	....	....	....	1.74	−1.82	0.90	0	4	....	....	....	.....	J. J. Murran.
Clemson College	Oconee	850	24	53.2	+0.3	77	† 21	25	9	48	1.58	−3.26	0.61	0	7	15	7	9	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	29	54.6	+0.6	81	22	26	9	37	1.98	−1.72	0.84	0	6	18	7	6	sw.	U. S. Weather Bureau.
Edgefield	Edgefield	....	2	....	....	....	....	....	....	....	1.61	....	0.78	0	3	....	....	....	.....	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	3	....	....	....	....	....	....	....	1.37	−3.34	0.69	0	7	....	....	....	.....	Harry A. Parshall.
Greenville	Greenville	989	23	50.4	−0.2	79	22	18	9	46	1.29	−4.21	0.46	0	7	18	8	5	sw.	J. H. Woodside.
Greenwood	Greenwood	671	27	50.8	−2.4	79	† 21	21	16	47	1.39	−2.68	0.60	0	4	24	0	7	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	15	51.8	−2.3	76	22	21	16	49	1.90	−1.77	0.74	0	5	10	18	3	w.	J. Marvin Bowers.
Landrum	Spartanburg	1063	1	50.6	......	79	22	20	16	53	2.96	....	2.09	T.	5	19	7	5	.....	R. Hartwell Wilds, D.D.S.
Liberty	Pickens	900	17	52.5	−0.6	78	21	20	† 9	49	3.50	−1.91	1.51	T.	7	15	12	4	sw.	John T. Boggs.
Little Mountain	Newberry	711	23	52.8	-3.3	82	25	23	9	51	2.02	−1.85	1.00	T.	3	22	6	3	w.	J. M. Sease, M. D.
Meriwether	Edgefield	450	13	55.9	-0.9	86	25	25	† 9	50	0.82	−3.64	0.82	0	1	19	5	7	.....	William S. Middleton.
Monetta	Saluda	400	9	55.1	......	82	25	23	16	52	1.56	....	0.76	0	5	12	19	0	sw.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	....	^{a}48.5	......	^{a} 77	† 21	^{a} 15	9	^{a}52	1.97	....	0.56	T.	7	16	8	7	.....	J. H. Brown.
Newberry	Newberry	502	13	53.7	-1.5	82	25	22	9	50	2.00	−1.85	0.90	T.	6	13	15	3	sw.	Warren G. Peterson.
Pelzer	Anderson	850	12	....	....	....	....	....	....	....	1.62	−3.18	0.88	0	5	....	....	....	.....	Joshua Y. Jones.
Saluda	Saluda	536	15	54.4	−2.8	83	25	22	16	49	1.64	−2.42	1.02	0	4	29	2	0	w.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	23	52.4	−1.2	79	25	20	16	48	2.80	−1.66	0.95	T.	8	15	12	4	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	27	49.6	−1.8	79	21	21	16	48	1.75	−3.05	0.60	T.	5	....	....	....	.....	F. P. Robinson.
Trenton	Edgefield	620	23	54.6	−2.0	83	25	23	9	49	2.25	−2.18	1.00	0	4	20	10	1	sw.	Mrs. S. E. Long.
White Oak	Fairfield	548	....	53.9	+0.4	81	25	20	16	46	2.34	−1.60	1.12	0	7	22	8	1	sw.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	17	52.0	−1.9	80	25	19	16	48	1.23	−2.72	0.48	0	3	15	15	1	sw.	W. P. Goodman.
Division means and extremes		....	....	52.7	−1.6	87	22	15	9	57	1.85	−2.52	2.09	T.	5	19	8	4	sw.	
State means and extremes		....	....	53.7	−0.9	87	22	15	9	57	2.14	−1.72	2.11	T.	5	19	8	4	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.
T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for March, 1916.

Stations.	Watershed.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ‖‖	Savannah		.70	.80					.80																		T.						2.30
Beaufort	Coast	.15		1.10				.62				.34																					2.21
Blackville ‖‖	Edisto		.12	.60					.75																								1.47
Bowman	do	.24	.30	2.11				.20							.11											T.							2.96
Centenary	Pee Dee		.36	.30				.63	.35			T.				.03						.27								T.			1.94
Charleston ***	Coast	T.	.10	1.06				.33	.36			.10				T.						T.						.01					1.96
Cheraw ‖‖	Pee Dee		.90	.26		T.			.73	T.							.04					.24	.04							.06			2.27
Conway ‖‖	Waccamaw		.45	.82	T.				1.28									T.				.35						.06		T.			2.96
Darlington ‖‖	Pee Dee		.87	.24					.80													.15											2.06
Dillon	Little Pee Dee		1.07	.51				1.06				T.				.37						.13											3.14
Edisto ‖‖	Edisto		.39	1.35					.67													.05											2.46
Effingham ‖‖	Lynches		.44	.38					.93													.24											1.99
Ferguson ‖‖	Santee		.40	1.99					.73																								3.12
Florence 1 ‖‖	Pee Dee		.86	.23	.03				1.18								.09					.18								T.			2.57
Florence 2	do		.76	.30	T.			1.20								T.																	2.26
Georgetown	Coast		1.65	1.45				.12	1.55			.45										T.						.20	.15				5.57
Kingstree ‖‖	Black		.40	.44					.79													.09											1.72
Mayesville (near)	do		.28	.36				.40	.63							.05						.16						T.		T.			1.88
Oaks	do			.57	.94				1.13													.28				T.				T.			2.92
Pinopolis	Cooper		.85	1.00				1.13													.13												3.11
Rimini ‖‖	Santee		.13	.35					.78								.01					.08											1.35
St. George ‖‖	Edisto		.80	.61					.97			.03										.22											2.63
St. Matthews ‖‖	Santee		.35	.30					.85																								1.50
Smiths Mills ‖‖	Pee Dee		.70	.68					1.15													.15								.03			2.71
Society Hill ‖‖	do		.93	.23	.03				.92								.03					.15						T.		.02			2.31
Summerville	Ashley		.54	.74				T.	1.30			.06				T.						.13				.04		T.					2.81
Walterboro	Ashepoo		.16	.74				.02	1.17			.04				T.																	2.13
Yemassee ‖‖	Combahee		T.	.70					1.27			.08					T.																2.05
Western Portion.																																	
Aiken	Edisto			.35				.55	.15																								1.05
Anderson	Savannah		.35	.25				.50														.10					.05	.03					1.28
Batesburg ‖‖	Edisto		.80	.22					.81							T.						T.						T.					1.83
Blairs ‖‖	Broad		.95	.12					1.36													.12								.03			2.58
Calhoun Falls ‖‖	Savannah		.43	.26				T.	.79																								1.48
Camden ‖‖	Wateree		.96	.14					.95													.08						.06		.03			2.22
Catawba ‖‖	Catawba		.46	.37	.03				.80													.06						.16		.12			2.00
Chappells ‖‖	Saluda		.70	.20					.80																			.04					1.74
Clemson College	Savannah	T.	.39	.15				.61								.01						.06				T.	.10	.26					1.58
Columbia ***	Congaree	.74	.10	.27				.79								T.					T.	.04				.04							1.98
Edgefield ‖‖	Savannah		.73						.78																			.10					1.61
Gaston Shoals ‖‖	Broad		.30	.39	T.			T.	.32							T.	.01					.04						.14		.17			1.37
Greenville ‖‖	Saluda		.31	.32					.46							.02	.01					.05				T.	T.	.12					1.29
Greenwood ‖‖	do		.60	.20					.48																			.11					1.39
Heath Spring	Wateree	.74		.33				.70								T.						.10						.03					1.90
Landrum	Broad			.21				.54	T.							.05						.07						2.09					2.96
Liberty	Savannah	1.51		.80			T.	.80	T.							.10						.20	T.				.04	.05					3.50
Little Mountain	Saluda		.72	.30				1.00	T.																								2.02
Meriwether	Savannah							.82																			T.						.82
Monetta	Edisto		.52	.09				.76	.15													.04											1.56
Mountain Rest	Savannah		.38	.07			T.	.56	T.							.07						.07					.38	.44					1.97
Newberry	Saluda		.70	.20				.90	T.													.04				.01	.15						2.00
Pelzer ‖‖	do		.36	.32				.04	.84							T.						.06						T.					1.62
Saluda	do		1.02	.22				.35													.05												1.64
Santuck	Broad		.50	.45				.95	T.							.01						.13	T.			.40	.30			.06			2.80
Spartanburg ‖‖	do		.30	.60				T.	.40							T.						.07		T.		T.		.38	T.				1.75
Trenton	Edisto	1.00		.42				.65	.18							T.											T.						2.25
White Oak	Broad		.94	.14				1.12	T.							.01						.07					.04			.02			2.34
Winthrop College	Catawba		.35	.40				.48																									1.23

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

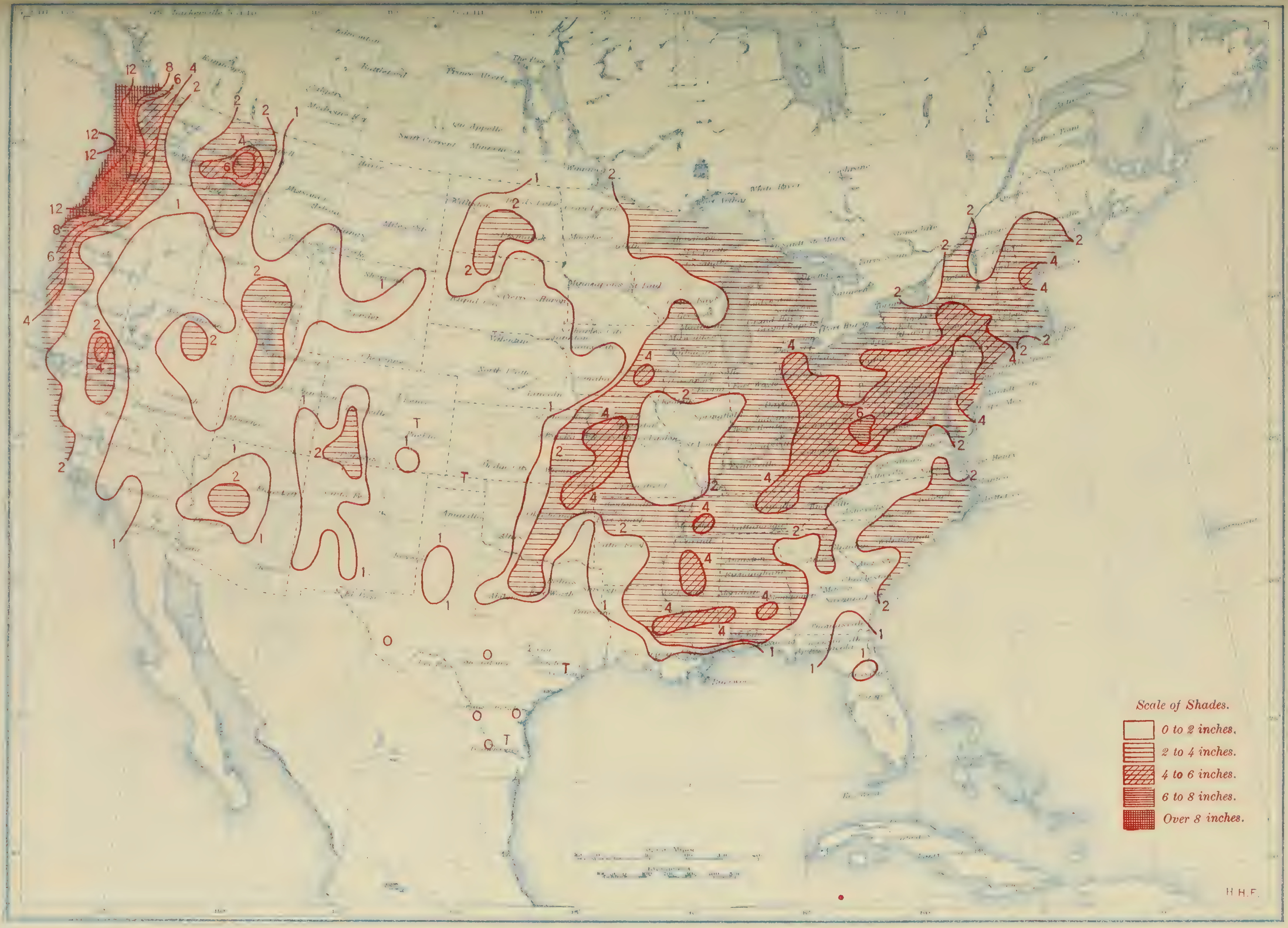
COMPARATIVE DATA FOR MARCH.

Year.	Temperature.			Precipitation.		Average number of days—			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	51.4	82	23	1.85	7				
1888	52.1	80	19	6.71	9				sw.
1889	51.6	77	20	3.41	7				w.
1890	52.5	85	11	2.96					sw.
1891	50.0	78	20	7.88					ne.
1892	52.8	78	23	3.78					nw.
1893	53.9	85	18	2.22	9	13	9	9	sw.
1894	59.3	90	15	2.08	7	15	11	5	sw.
1895	53.5	90	24	5.71	11	12	8	11	sw.
1896	53.1	93	19	2.12	5	14	10	7	sw.
1897	56.4	92	21	1.54	12	7	9	15	sw.
1898	59.1	92	22	2.99	7	11	9	11	ne.
1899	55.2	89	12	3.89	9	12	10	9	sw.
1900	51.6	79	22	4.22	9	12	8	11	sw.
1901	53.4	86	10	4.36	8	14	8	9	sw.
1902	54.0	86	19	4.08	10	14	7	10	sw.
1903	60.4	84	26	5.92	10	7	9	15	ne.
Continued—									
1904	56.2	87	23	3.42	9	13	9	9	ne.
1905	57.8	93	28	2.15	6	15	6	10	ne.
1906	51.6	82	18	5.34	10	13	6	12	w.
1907	62.0	99	20	1.57	5	15	10	6	sw.
1908	61.4	90	29	4.56	8	15	8	8	sw.
1909	54.1	90	27	4.80	11	14	8	9	sw.
1910	59.4	93	22	1.38	4	21	6	4	sw.
1911	54.9	90	22	2.30	7	17	8	6	w.
1912	53.2	88	15	6.79	10	14	5	12	ne.
1913	56.9	88	22	7.40	10	13	5	13	w.
1914	50.2	91	12	2.59	8	14	9	8	w.
1915	46.3	81	22	2.66	7	15	8	8	nw.
1916	53.7	87	15	2.14	5	19	8	4	sw.
Period	54.6	99	10	3.86	8	14	8	9	sw.

Daily Temperatures for March, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	59	74	62	62	66	74	78	54	52	62	53	60	75	80	67	51	62	76	78	68	82	83	77	79	84	82	72	65	68	72	77	69.5
	Minimum	35	38	49	30	33	42	48	48	27	31	45	28	37	48	59	28	31	37	59	46	50	54	49	49	53	62	59	44	44	45	42	43.5
Beaufort	Maximum	54	75	67	53	65	65	68	60	51	68	53	55	71	77	68	54	58	71	77	65	79	81	71	74	....	77	72	66	64	67	73	a 66.6
	Minimum	37	50	41	31	41	46	45	43	28	38	37	29	44	48	50	31	35	41	56	47	48	59	52	53	....	63	55	46	47	46	46	a 44.4
Blackville §§	Maximum	....	75	60	....	70	76	....	....	61	62	55	....	81	81	66	55	61	78	80	82	85	84	84	85	84	84	72	67	68	78	82	e 73.7
	Minimum	32	14	....	28	35	44	46	45	33	35	45	26	39	53	58	25	28	35	44	43	49	46	47	46	47	59	60	41	41	42	39	a 41.8
Bowman	Maximum	60	72	62	55	64	74	64	52	60	61	59	60	75	77	68	56	70	80	78	79	81	84	76	79	82	80	76	66	68	70	75	69.8
	Minimum	30	45	32	28	38	39	50	25	32	36	38	23	35	50	48	24	28	33	45	44	52	56	46	48	59	58	55	41	42	40	41	40.7
Centenary	Maximum	50	65	65	46	59	59	58	62	62	58	58	51	68	73	73	53	49	66	66	64	67	79	79	66	80	80	73	66	61	59	59	63.7
	Minimum	28	42	44	28	33	35	38	42	27	32	38	24	36	55	52	27	23	29	56	40	44	58	48	43	48	61	58	43	45	41	39	40.5
Charleston	Maximum	56	69	69	49	65	65	68	60	49	61	53	50	69	78	68	47	54	69	76	57	78	77	72	67	73	72	74	69	63	67	72	65.0
	Minimum	38	54	40	32	40	48	56	35	29	38	38	32	42	52	40	30	34	44	55	47	49	57	55	56	58	60	56	46	48	48	49	45.4
Cheraw §§	Maximum	50	69	50	48	64	72	66	50	49	60	40	54	74	79	64	44	54	64	66	60	74	80	64	76	81	77	76	66	60	63	74	63.5
	Minimum	31	40	50	28	40	44	60	46	26	32	38	26	42	54	59	24	26	35	52	38	46	64	44	44	52	65	65	43	43	40	47	43.4
Conway §§	Maximum	61	72	68	50	65	73	70	53	49	63	57	57	74	81	71	46	55	66	71	59	75	75	65	73	74	69	71	67	59	66	77	65.6
	Minimum	29	39	47	29	34	39	49	52	29	35	44	26	39	54	58	28	26	32	45	40	45	47	51	43	49	59	60	45	46	43	42	42.1
Darlington §§	Maximum	55	71	57	51	67	73	69	54	50	61	40	52	74	81	67	48	57	71	73	62	77	82	69	78	83	78	78	65	62	61	77	65.9
	Minimum	27	40	41	29	34	39	42	49	26	33	39	21	32	48	55	25	22	31	40	39	43	46	45	41	49	60	63	43	43	39	40	39.5
Dillon	Maximum	55	72	63	49	....	73	70	61	51	62	57	56	74	80	70	48	55	67	70	60	74	81	77	78	83	81	80	66	69	63	76	a 67.4
	Minimum	47	40	37	28	....	35	51	40	24	36	34	24	45	56	47	25	24	29	38	39	43	59	45	42	49	61	63	42	43	40	41	a 40.9
Ferguson §§	Maximum	58	74	62	50	68	74	74	54	48	61	59	57	74	80	69	47	57	75	63	64	80	84	80	85	84	82	70	80	72	56	60	67.8
	Minimum	32	32	40	32	33	42	48	44	29	30	36	36	38	40	60	28	29	31	48	38	40	54	57	52	54	48	44	34	36	48	42	40.5
Florence 1 §§	Maximum	54	71	55	50	68	74	66	54	50	56	45	57	72	78	64	45	57	68	72	62	74	82	70	79	81	84	78	64	58	65	75	65.4
	Minimum	30	33	42	29	30	42	44	50	26	28	39	27	33	44	57	26	27	28	38	40	42	45	46	44	48	56	62	42	42	41	42	39.5
Georgetown	Maximum	65	73	70	59	66	70	71	55	55	63	48	58	75	82	71	48	60	73	75	55	78	82	65	75	80	75	80	70	60	69	77	67.8
	Minimum	32	40	48	30	37	47	46	52	29	36	38	27	39	50	48	28	27	35	38	43	46	48	53	48	52	59	60	46	49	43	43	42.5
Kingstree §§	Maximum	55	72	66	55	65	74	74	54	50	63	47	56	74	80	70	47	56	73	73	63	81	85	70	79	84	80	78	68	59	68	74	67.5
	Minimum	29	34	46	29	32	42	46	51	28	29	37	25	37	45	50	29	27	29	38	42	43	47	51	46	52	53	62	42	45	43	39	40.3
Mayesville (near)	Maximum	54	72	71	53	66	71	76	72	50	62	60	56	74	81	78	57	58	73	73	72	81	83	81	79	83	80	73	70	64	67	75	69.8
	Minimum	28	42	48	27	35	48	56	46	25	32	39	22	36	54	52	26	24	31	59	41	45	61	48	43	45	57	63	42	43	38	38	41.7
Oaks	Maximum	55	72	68	51	64	74	71	67	....	....	....	....	....	....	....	....	....	....	....	....	....	84	80	75	80	....	79	69	61	67	75	....
	Minimum	30	45	49	30	33	39	55	43	....	....	....	....	....	....	....	....	....	....	....	....	....	60	51	42	48	....	59	42	45	42	39	....
St. George §§	Maximum	59	74	64	53	65	74	74	53	51	62	54	60	75	75	69	52	58	75	77	65	80	84	72	77	83	80	72	67	66	69	76	68.2
	Minimum	42	47	53	43	36	44	60	46	30	37	49	30	40	49	60	30	30	36	58	48	50	60	52	52	59	64	62	46	50	46	44	46.9
St. Matthews §§	Maximum	53	73	69	63	66	74	76	53	54	62	56	59	75	82	67	51	61	76	78	80	83	83	68	79	84	81	76	69	67	70	76	69.8
	Minimum	32	39	45	28	37	43	52	46	24	34	42	25	40	52	58	25	26	33	46	43	49	61	46	41	53	61	62	43	45	42	44	42.6
Society Hill §§	Maximum	52	71	54	49	67	73	68	53	50	61	43	56	75	82	66	46	55	64	70	59	76	81	65	80	83	78	77	66	60	63	74	65.1
	Minimum	28	30	40	27	33	41	51	47	24	28	38	20	34	44	56	24	23	31	35	37	43	44	43	41	43	61	61	41	41	38	40	38.3
Summerville	Maximum	57	73	68	51	65	62	71	66	50	62	56	59	74	81	70	55	58	77	71	62	81	85	81	76	79	79	76	68	64	69	75	68.7
	Minimum	32	48	51	30	35	41	58	42	28	31	41	28	36	48	52	28	29	35	57	44	46	61	51	47	53	59	60	42	47	41	41	43.3
Walterboro	Maximum	63	77	71	53	66	72	72	67	52	62	61	60	75	82	70	56	60	75	78	71	83	86	82	79	83	80	74	69	66	68	77	70.6
	Minimum	32	49	49	30	37	39	48	44	27	32	42	27	39	52	52	28	29	31	45	45	47	....	51	46	55	....	63	43	45	42	40	b 41.8
Yemassee §§	Maximum	62	78	65	53	66	69	77	55	50	63	51	60	75	82	70	50	60	75	78	67	82	85	72	77	82	83	73	66	66	69	75	68.9
	Minimum	32	55	52	28	35	39	49	49	26	29	47	24	36	49	51	26	29	33	35	43	44	46	49	44	48	57	60	40	41	40	38	40.9
Western Portion.																																	
Aiken	Maximum	54	....	73	52	73	75	76	59	53	60	56	57	74	....	79	50	58	75	76	76	....	87	76	....	....	....	79	64	66	68	75	f 67.6
	Minimum	31	....	39	25	34	40	56	33	21	32	41	31	44	....	44	22	26	38	40	42	....	47	43	....	....	....	54	37	37	41	42	f 37.6
Anderson	Maximum	51	70	63	56	66	70	63	57	52	57	52	59	76	79	63	53	63	74	81	65	81	77	71	77	78	78	70	62	69	73	78	67.2
	Minimum	30	37	41	42	34	46	52	28	21	33	37	29	42	51	33	23	29	37	55	40	45	59	40	49	58	60	44	40	39	40	51	40.8
Batesburg §§	Maximum	57	69	57	50	62	70	71	45	49	59	....	50	74	....	....	52	50	74	76	63	79	80	77	76	81	78	76	60	64	62	72	c 65.5
	Minimum	33	36	44	27	30	43	49	41	24	27	42	28	30	46	....	26	....	31	37	40	45	52	43	....	53	....	60	41	42	40	46	d 39.2
Camden §§	Maximum	52	73	61	60	74	74	67	....	....	61	44	57	76	81	64	48	52	74	73	61	81	83	70	78	82	78	75	64	64	67	74	b 67.9
	Minimum	35	35	41	28	28	....	....	47	....	....	43	29	29	....	53	25	24	24	32	41	41	48	46	47	54	54	63	41	31	39	40	e 39.5
Clemson College	Maximum	44	70	66	54	63	65	65	59	50	56	57	56	72	74	74	49	58	68	71	70	77	77	77	68	70	71	71	57	61	66	70	64.7
	Minimum	32	37	42	30	39	48	55	37	25	34	40	28	42	53	41	26	38	34	56	43	47	61	40	47	47	61	53	41	40	36	41	41.7
Columbia	Maximum	53	73	63	52	66	73	67	59	51	61	52	58	75	80	65	47	56	76	73	62	80	81	67	77	80	78	70	63	62	66	73	66.4
	Minimum	37	42	36	30	40	48	57	31	26	36	34	30	44	56	34	27	30	39	53	43	51	64	46	49	58	64	48	42	44	42	44	42.7
Greenville §§	Maximum	46	72	57	56	68	65	59	45	53	58	50	60	76	78	55	52	61	70	74	62	79	78	69	72	71	74	65	62	65	72	77	64.5
	Minimum	29	35	36	23	27	38	50	37	18	25	36	23	30	43	51	20	22	27	37	37	41	47	37	44	50	58	51	36	39	37	38	36.2
Greenwood §§	Maximum	52	71	55	53	64	71	65	47	51	58	49	58	74	78	62	48	58	74	75	62	79	76	70	76	79	77	65	60	65	70	75	65.1
	Minimum	32	35	39	26	26	37	47	41	22	23	34	27	27	41	50	21	22	30	34	40	40	47	40	40	47	58	54	38	32	38	40	36.4
Heath Spring	Maximum	46	65	51	45	63	63	60	51	45	58	60	64	70	75	65	51	50	64	70	68	71	76	68	74	74	75	71	66	57	67	75	63.2
	Minimum	34	37	43	25	38	38	42	40	23	34	37	38	26	55	48	21	25	34	49	37	45	60	41	52	60	52	61	39	39	38	44	40.5
Landrum	Maximum	43	67	51	51	65	63	61	57	51	56	55	57	75	77	68	46	55	65	67	59	78	79	73	68	72	72	68	59	59	69	73	63.2
	Minimum	33	35	34	24	31	40	40	38	23	34	36	22	34	54	33	20	28	45	50	33	44	59	38	41	53	56	50	39	36	36	39	38.0
Liberty	Maximum	43	69	62	55	66	62	63	59	52	56	56	58	74	76	69	51	61	69	73	63	78	77	69	70	72	72	70	58	65	71	75	64.9
	Minimum	33	38	35	27	37	49	48	30	20	33	38	25	39	64	33	20	25	35	54	40	47	60	37	59	57	60	50	39	36	35	40	40.1
Little Mountain	Maximum	51	70	64	52	65	72	65	59	51	59	55	57	79	70	46	49	51	73	73	63	79	80	75	77	82	78	74	64	64	68	74	65.8
	Minimum	34	40	40	26	38	46	46	33	23	34	38	28	50	35	23	32	28	34	34	43	48	49	42	46	58	62	53	39	40	44	45	39.7
Meriwether	Maximum	55	74	73	55	64	74	77	59	54	61	55	60	76	81	64	51	61	77	78	69	83	82	79	78	86	81	77	63	67	70	77	69.7
	Minimum	30	42	46	28	37	46	57	39	25	32	44	26	40	52	43	25	28	34	57	44	48	61	40	49	60	62	53	41	38	40	39	42.1
Monetta	Maximum	53	71	69	51	64	72	73	60	51	60	56	57	73	78	75	51	56	75	73	69	79	81	75	07	82	79	76	61	64	67	74	67.8
	Minimum	32	41	44	28	37	46	58	35	24	32	40	28	39	51	49	23	27	36	58	43	48	61	44	47	57	61	58	41	42	42	43	42.4
Mountain Rest	Maximum	39	69	61	52	65	64	...	45	48	56	50	56	75	74	63	46	57	68	70	56	77	77	68	68	68	66	62	51	63	67	70	a 61.7
	Minimum	30	31	30	24	36	49	....	26	15	30	32	23	40	50	30	18	23	31	53	31	45	58	29	43	51	50	43	32	34	33	36	a 35.3
Newberry	Maximum	51	70	64	53	65	72	66	59	51	59	55	58	74	79	70	49	57	74	74	65	80	80	74	77	82	77	73	61	65	67	73	66.9
	Minimum	35	40	41	25	38	42	56	33	22	34	38	25	41	47	39	23	24	34	52	40	48	61	41	47	57	62	55	40	40	38	39	40.5
Saluda	Maximum	54	72	67	53	65	72	70	60	55	61	56	68	74	79	71	50	60	75	74	67	80	80	80	78	83	80	74	62	67	70	75	68.8
	Minimum	29	41	44	27	27	41	53	34	23	33	50	25	40	52	46	22	24	30	55	42	46	60	38	44	58	62	54	39	40	37	35	40.1
Santuck	Maximum	51	68	61	52	64	70	64	57	55	58	54	55	72	77	67	48	56	70	72	61	77	76	74	76	79	74	69	61	64	67	74	65.3
	Minimum	35	38	36	25	38	31	54	33	23	33	35	24	42	54	35	20	26	34	55	38	46	60	39	45	53	59	51	37	39	37	41	39.5
Spartanburg §§	Maximum	47	68	50	53	65	68	59	41	51	57	47	58	75	78	57	48	57	68	69	61	79	71	67	70	76	74	66	61	61	69	73	62.8
	Minimum	31	34	37	26	27	38	48	38	24	26	34	25	27	40	48	21	23	32	36	36	38	47	37	41	50	58	53	36	37	39	41	36.4
Trenton	Maximum	54	70	64	51	62	72	72	59	50	59	54	57	72	78	72	48	77	74	75	66	80	81	74	78	83	79	71	63	65	70	75	67.6
	Minimum	32	41	39	27	36	55	56	33	23	33	39	27	42	52	43	23	28	36	55	42	48	59	42	48	58	60	53	39	39	41	44	41.7
White Oak	Maximum	51	70	66	54	64	72	68	61	52	59	58	57	73	79	73	48	57	72	74	67	77	79	76	77	81	76	73	61	63	67	74	67.1
	Minimum	35	38	39	25	38	45	53	36	23	32	36	25	40	54	41	20	26	36	57	39	46	61	42	44	54	60	57	38	38	39	45	40.7
Winthrop College	Maximum	49	66	65	50	64	70	65	57	49	59	55	54	72	72	69	45	54	67	66	65	75	75	74	73	80	76	72	61	62	65	73	64.5
	Minimum	34	34	36	23	35	44	54	34	20	33	34	24	38	52	37	19	24	37	55	36	56	61	40	45	54	61	60	38	39	36	44	39.6

Reference letters (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.
§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
H.H.F.

AIR DRAINAGE EXPERIMENTS IN THE LOCUST HILL ORCHARDS, MERIWETHER, S. C.

To persons interested in commercial fruits, proper location of orchards and the important element of air drainage the data shown in the accompanying table should have special significance. The observations were taken by Mr. William S. Middleton, Co-operative Observer, at Meriwether, Edgefield County, where his orchards are located. Thermometers were lent to the observer by the Weather Bureau for the experimental readings, and in his report Mr. Middleton says:

> "A minimum thermometer was placed at the foot of the hill near a branch; then up the hill, not quite half way or about 75 feet rise, I had another thermometer, and on the summit of the hill I placed a third. I would estimate the summit of the hill to be about 225 feet above its foot. Maximum thermometers were not used, as I wanted to ascertain the extreme lowest temperatures.
>
> "From my observations I find the highest variation to be 12 degrees on March 14. We have had some cold west winds that blew all day and night—nearly gales; during such nights I found the temperature to run 1 to 5 degrees lower on the summit of the hill. During cloudy nights the temperatures were about the same at all three points, but during still, frosty nights it was uniformly colder at the bottom. Take the 6th: At the bottom the temperature was 37 degrees, cold enough for frost (at the ground), while at the summit the reading was 47 degrees, or 10 degrees higher. This extreme difference on a frosty night at the present time would injure peaches and vegetables on low lands, but would not hurt them on high lands."

This experiment of Mr. Middleton simply bears out the experience of orchardists and Weather Bureau officials that have made tests in orchards in connection with orchard heaters in extensive areas of Kansas, Colorado, Utah and elsewhere, notwithstanding the fact that strong mixing winds would tend to equalize temperature values as between moderate hills and valleys rather than show sharp differences of 1 to 5 degrees colder at the summits of moderate slopes.

There is much land in the Piedmont sections of South Carolina that is suitable for commercial fruit development, as in other states of the lower slopes of the Appalachians. In this connection, it might be well for the writer to re-state what is commonly designated as the phenomenon of air drainage and its influence on the selection of sites for new orchards or restoring plats for old orchards, as follows:

In regions of hill and valley condition the air in the lower portions of the valley, as night sets in, cools off by radiation and remains practically in place, cooling off more and more throughout the night. On the slopes of the valleys the air in contact with vegetation is cooled by the radiation effects and moves downward on the slope to a certain extent; but at the same time it flows outward over the layers of colder and heavier air lower down in the valley and exchanges places with the free air at the same and at slightly higher levels, away from the faces of the hillside. As this free air is warmer than the air in contact with the slope, the exchange tends to keep the slope surfaces warmer than would otherwise be the case. In consequence of this action, there is a certain level in the valley slope that is warmer than any other place, and this level gradually rises throughout the night, although the temperature of this warm belt is gradually falling. By morning the level of the highest temperature in the valley has reached its maximum elevation on the slope.

This matter of selection of orchard sites in connection with air drainage has been given too little attention in many instances, and the question of north and south slopes of hillsides has been given too much weight. As a matter of fact, the south hillside quite frequently offers exposure for too much heat during the dormant period in winter, and one side of the tree will scald while the other side freezes. We all know that freezing and thawing is not good for wheat, and a half-thaw and a half-freeze at the same time in the same tree in infinitely worse. When it is known that the range in temperature between sunshine and shade is between 15 and 25 degrees, according to the state of the atmosphere, this proposition may be readily understood. The trouble may be obviated to a large extent by whitewashing, and some orchardists have adopted a very good plan of standing a whitewashed board against the sunward side of each tree. All such precautions cause work and expense, just as winter pruning and spring thinning of green fruit for choice products do; but an eye to the condition of each tree and its ability to withstand abnormal weather influences so that it may perform its full function is just as much a part of preparatory frost preventive methods as selection of site, buying orchard heaters and hauling fuel for smudges.

R. H. S.

Date (10 a. m.)		Temperature.					Condition of weather, etc.
		Thermometer No. 1.[1]	Thermometer No. 2.[2]	Thermometer No. 3.[3]	Range No. 1 to No. 3.	Range No. 1 to No. 2.	
		°	°	°	°	°	
February	16	23	25	28	5	2	Clear; ice.
	17	30	38	38	8	8	Clear.
	18	38	38	44	6	0	Clear; windy.
	19	31	32	32	1	1	Clear.
	20	34	39	38	4	5	Clear.
	21	32	40	42	10	8	Clear.
	22	41	46	46	5	5	Cloudy.
	23	42	47	......	......	5	Partly cloudy.
	24	52	48	......	......	− 4	Partly cloudy.
	25	38	38	37	− 1	0	Partly cloudy; windy.
	26	32	32	31	− 1	0	Cloudy; windy; ice.
	27	31	31	30	− 1	0	Clear; windy; ice.
	28	27	30	30	3	3	Cloudy; sleet and snow.
	29	35	36	35	0	1	Cloudy.
March	1	29	30	32	3	1	Partly cloudy; heavy frost; ice.
	2	43	42	42	− 1	− 1	Partly cloudy.
	3	46	46	44	− 2	0	Clear; windy and cold.
	4	28	28	27	− 1	0	Clear; windy; no frost.
	5	30	36	36	6	6	Clear.
	6	37	46	47	10	9	Clear; still night.
	7	51	57	......	......	6	Cloudy.
	8	42	39	37	− 5	− 3	Cloudy; windy.
	9	25	25	23	− 2	0	Clear; windy.
	10	27	32	32	5	5	Cloudy.
	11	47	47	47	0	0	Cloudy.
	12	25	26	28	3	1	Clear; frost and ice.
	13	32	40	41	9	8	Clear.
	14	41	52	53	12	11	Clear.
	15	......	43	......	......	......	Cloudy.
	16	25	25	25	0	0	Clear; ice; no frost.
	17	24	28	30	6	4	Clear; ice.
	18	33	31	38	5	1	Clear; little frost.
	19	......	57	56	......	......	Clear.
	20	44	44	44	0	0	Partly cloudy.
Averages		34.7	38.1	37.1	2.4	3.4	

[1] Located at bottom of hill.

[2] Located about half way up the hill, or 75 feet above No. 1.

[3] Located at top of hill, or about 225 feet above No. 1.

-1.05
NSC
Stack.

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

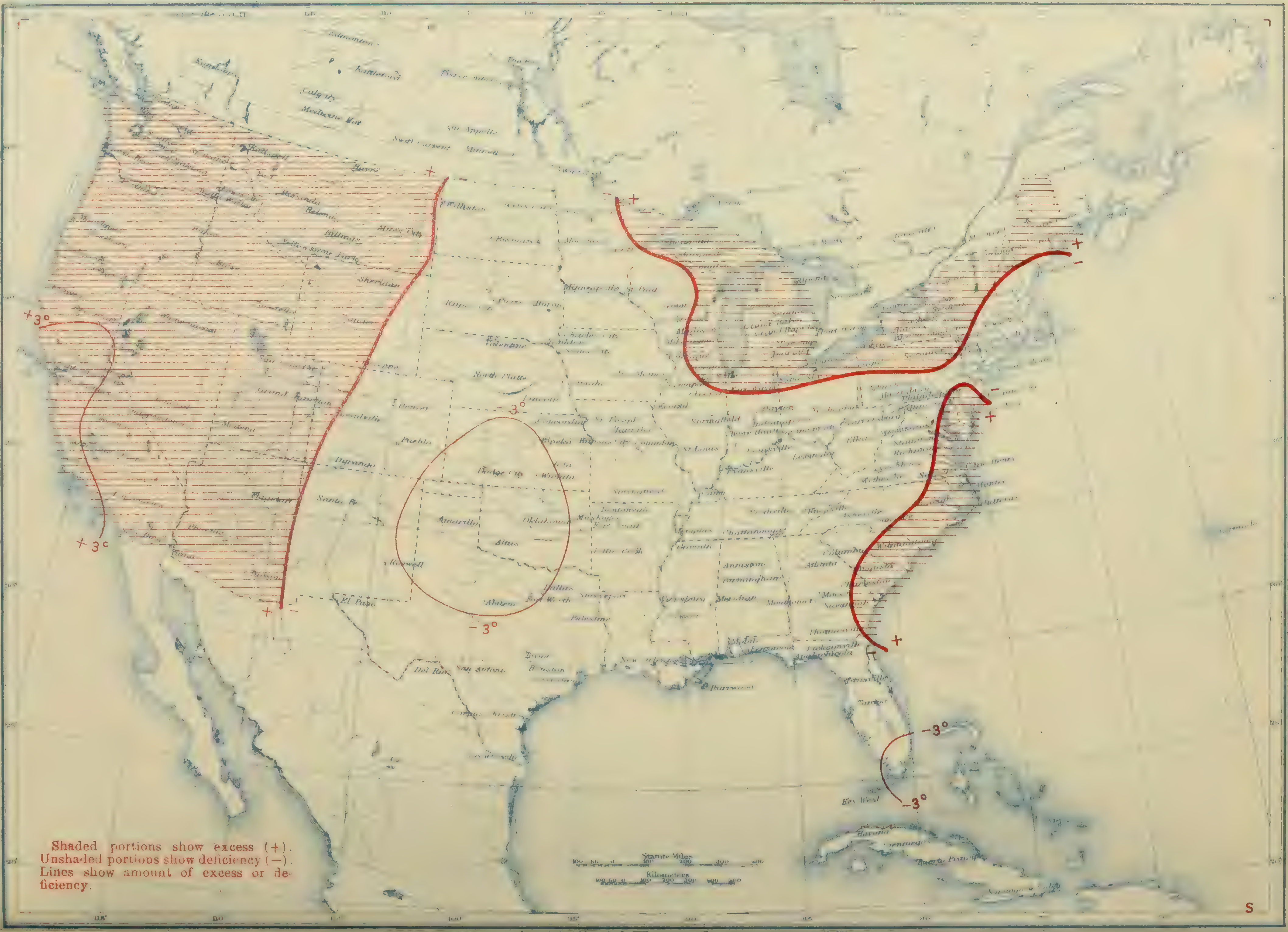
SOUTH CAROLINA SECTION

APRIL, 1916

BY
RICHARD H. SULLIVAN
SECTION DIRECTOR

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
May 29, 1916.

Departure of the Mean Temperature from the Normal, April, 1916.



Shaded portions show excess (+). Unshaded portions show deficiency (−). Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

Vol. XIX. Columbia, S. C., April, 1916. No. 4.

GENERAL SUMMARY.

April closed with the total precipitation much below normal over practically the entire Section, and recurring dry weather after the good rains of the first decade was generally detrimental to winter and spring grain crops and pastures. Thermal conditions were somewhat below the seasonal average for the month as a whole. A sharp cold wave and freeze on the 10th carried the frost line southward to near the extreme southern coast, and considerable damage resulted to truck on the coastal plain, to fruits on the uplands and to gardens generally, while the supply of tobacco plants was further reduced. In consequence of drought, germination was irregular and unsatisfactory, and much of the cotton and corn crops had not sprouted. Native strawberries were being marketed at the close of the month. Plentiful rains would materially improve the general crop situation.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.00 inches. The highest pressure in the region covered by reports was 30.40 inches at Charleston, S. C., and Wilmington, N. C., on the 11th; lowest pressure, 29.60 inches at Asheville, N. C., on the 21st, and in the Section proper, 29.69 inches at Charleston on the 8th.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 42 stations, was 61.6°, or 0.7° below the established normal. The highest temperature was 93° at Anderson, Anderson Co.; Camden, Kershaw Co.; Darlington, Darlington Co.; St. Matthews, Calhoun Co., and Society Hill, Darlington Co., on the 13th. The warmest periods of the month were on the 13th and 14th and at a few stations about the 20th. The lowest temperature was 24° at Greenville, Greenville Co., on the 10th. The coolest period of the month was on the 10th, when practically all the latest spring killing frosts occurred, with freezing temperatures to near the southern coast.

HUMIDITY.

The mean relative humidity, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 70%; 8 p. m., 57%. The highest percentages occurred over the extreme eastern and extreme southern coastal plains, and the lowest, over the northern interior.

PRECIPITATION.

The average for the Section, 57 stations reporting, was 1.79 inches, or 0.98 inch below the established normal. Practically the entire effective precipitation of the month occurred during the period, 2d to 8th; however, local showers were more or less numerous over the western portion after the 16th and over the eastern portion on the 17th, 24th and 25th, and 29th and 30th. Excepting small areas of the extreme northwestern and extreme southern counties, the rainfall was uniformally below the normal, particularly in the region of Fairfield and Kershaw counties, where the amounts were less than 1 inch. The greatest local monthly amount was 3.14 inches at Bowman, Orangeburg Co.; least monthly amount, 0.54 inch at Camden, Kershaw Co. The greatest 24-hour amount at any station was 2.05 inches at Bowman, Orangeburg Co., on the 3d, and at Charleston on the 2d and 3d. The number of rainy days was 29% below normal.

Snow flurries were reported from the upper parts of Oconee, Greenville and Spartanburg counties on the 8th, 9th and 10th, and sleet in the upper part of Spartanburg Co. on the 7th and 9th.

WIND.

The prevailing winds were from the west. The average hourly velocity, determined from 7 anemometer records, was 10.2 miles. The highest average velocity in the region covered by reports was 13.5 miles per hour at Savannah, Ga.; lowest average, 6.8 miles per hour at Augusta, Ga. In the Section proper the average velocities were 11.7 miles per hour at Charleston and 8.3 miles per hour at Columbia. The highest velocity for any 5-minute period was 48 miles per hour from the northwest at Charlotte, N. C., on the 23d, and in the Section proper, 38 miles per hour from the south at Charleston on the 21st.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 286.7 hours, or 73% of the possible amount. The average number of clear days was 18; partly cloudy, 8, and cloudy, 4, as against normals of 15, 8, and 7 days, respectively.

RIVER CONDITIONS.

On account of prolonged drought and general absence of concentrated heavy rains, the rivers of the Section were uniformly low throughout the month.

MISCELLANEOUS PHENOMENA.

Earthquakes (dates).—Summerville, slight tremors on 16th at 6:56 a. m., and on 30th at 1:45 a. m.

Fogs, dense (dates).—Centenary, 1; Liberty, 7; Rimini, 16.

Hail (dates).—Cheraw, 5; Liberty, 8; Little Mountain, 29; Winthrop College, 7.

Halos (dates).—*Lunar:* Charleston, 10; Columbia, 16, 19; Liberty, 14; Santuck, 11. *Solar:* Charleston, 27; Columbia, 2; Liberty, 10; Mayesville (near), 21, 28; Santuck, 10, 12; Walhalla, 10.

ERRATA.

Ferguson.—February, 1916, precipitation departure (page 12), should be −2.15.
Ferguson. March, 1916, precipitation departure (page 20), should be −0.27.
Catawba.—March, 1916, precipitation departure (page 20), should be 2.13.

MISCELLANEOUS DATA FOR APRIL, 1916.

Stations.	Barometer—sea level.	Temperature—degrees Fahr.			Precipitation—inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity—miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	29.99	52.8	81	26	1.35	0.65	9.8	nw.	73	53	50
Augusta, Ga........	29.99	62.8	88	33	1.79	0.89	6.8	nw.	74	52	82
Charleston, S. C...	30.00	64.0	89	38	2.35	2.05	11.7	s.	67	66	81
Charlotte, N. C....	29.99	59.0	86	33	2.15	0.83	12.4	s.	69	49	73
Columbia, S. C.....	30.00	62.6	89	33	1.11	0.54	8.3	w.	68	44	75
Savannah, Ga.......	30.01	65.6	87	41	3.16	1.49	13.5	s.	68	66	78
Wilmington, N. C.	29.99	60.2	88	35	1.21	0.41	8.6	sw.	70	67	74
Means and extremes......	30.00	61.0	89	26	1.87	2.05	10.2	s.	70	57	73

Climatological Data for April, 1916.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on (0.01 in. or more)	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	27	63.6	−0.4	87	† 13	32	10	36	1.47	−0.99	0.74	0	5	21	5	4	w.	R. B. Vance.
Beaufort	Beaufort	21	29	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Miss Lillian H. Rice.
Blackville	Barnwell	296	27	64.4	+0.5	92	† 13	28	10	46	1.53	−1.77	0.90	0	5	....	....	....	....	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	15	62.0	−1.5	88	† 20	29	10	42	3.14	−0.34	2.05	0	3	22	3	5	sw.	B. O. Evans.
Centenary	Marion	43	....	....	....	....	....	30	10	41	1.27	....	0.52	0	6	17	9	4	w.	D. L. Carmichael.
Charleston	Charleston	48	45	64.0	+0.2	89	14	38	10	30	2.35	−0.64	2.05	0	5	18	9	3	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	26	61.6	+0.5	91	13	33	10	37	2.37	−0.41	0.94	0	7	....	....	....	....	J. H. Powe.
Conway	Horry	25	30	60.6	−2.2	86	20	33	10	34	1.45	−1.46	0.55	0	5	....	....	....	....	Paul Quattlebaum.
Darlington	Darlington	175	21	62.1	+0.4	93	13	31	10	44	0.73	−2.42	0.33	0	5	14	5	11	....	D. C. McCall.
Dillon	Dillon	100	13	^{c}61.8	−0.3	^{c} 92	13	^{c} 34	9	^{c}45	2.15	−0.61	1.50	0	6	....	....	....	....	A. E. Rowell.
Edisto ‡‡	Bamberg	143	28	....	....	....	....	....	....	....	1.42	−2.20	0.65	0	4	....	....	....	....	Nathan Jenkins.
Effingham	Florence	106	23	....	....	....	....	....	....	....	1.01	−2.17	0.73	0	4	....	....	....	....	H. B. McCall.
Ferguson	Orangeburg	63	30	65.6	+3.5	89	14	30	10	40	1.89	−0.91	1.19	0	4	....	....	....	....	Joseph P. Simons.
Florence 1	Florence	136	27	61.4	−0.5	90	20	33	10	42	1.08	−1.82	0.84	0	4	15	10	5	ne.	H. K. Gilbert.
Florence 2	....do	136	....	....	....	....	....	....	....	....	1.04	−1.86	0.45	0	5	14	11	5	sw.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	21	63.4	−0.1	90	† 13	34	10	44	1.80	−1.50	1.00	0	4	19	10	1	n.	A. P. Hazard.
Kingstree	Williamsburg	54	27	62.2	−0.3	90	13	31	10	42	1.63	−1.18	0.97	0	3	20	4	6	n.	A. O. Matthews.
Mayesville (near)	Sumter	70	....	62.0	....	92	13	28	10	46	1.58	....	1.04	0	5	15	8	7	s.	Lewis E. Warren.
Oaks	Georgetown	....	....	^{b}61.4	....	^{b} 87	14	^{b} 31	10	^{b}47	1.17	....	0.64	0	6	17	8	5	w.	O. M. Mitchell.
Pinopolis **	Berkeley	54	66	62.2	−0.2	86	14	34	10	....	1.81	−1.16	1.31	0	3	19	9	2	sw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	6	....	....	....	....	....	....	....	2.05	....	1.18	0	6	....	....	....	....	William B. Wolfe.
St. George	Dorchester	109	27	65.0	+1.4	90	20	35	10	37	2.08	−0.93	1.59	0	6	19	6	5	sw.	R. S. Weeks.
St. Matthews	Calhoun	269	27	63.4	+0.9	93	13	31	10	42	1.85	−1.39	1.20	0	4	19	8	3	s.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	20	....	....	....	....	....	....	....	1.35	−1.92	0.65	0	6	....	....	....	....	W. G. Walker.
Society Hill	Darlington	192	24	60.7	−1.1	93	13	32	10	40	1.09	−2.20	0.43	0	6	22	4	4	w.	T. S. Lucas.
Summerville	Dorchester	75	18	63.5	+0.2	88	13	32	10	41	2.33	−1.15	1.39	0	6	19	9	2	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	13	^{a}64.2	−1.0	90	14	^{a} 30	10	^{a}43	2.75	−0.58	1.64	0	5	18	9	3	....	J. A. Westerberg.
Whitehall (near)	....do	4	....	....	....	....	....	....	....	....	2.78	....	1.95	0	6	22	5	3	s.	Special Rice Exp. Station.
Yemassee	Hampton	24	20	62.0	−1.8	88	† 13	28	10	41	2.50	−0.47	1.49	0	6	22	4	4	....	J. G. Hutson.
Division means and	extremes	....	....	62.7	−0.3	93	13	28	10	47	1.77	−1.29	2.05	0	5	18	7	5	sw.	
Western Portion.																				
Aiken	Aiken	527	55	....	....	92	20	30	10	49	1.01	−2.11	0.64	0	5	22	6	2	w.	W. M. Brown.
Anderson	Anderson	764	20	60.4	−0.9	93	13	34	10	41	3.12	−0.15	1.91	0	7	20	0	10	w.	H. H. Russell.
Batesburg	Lexington	656	27	60.5	−1.0	88	13	29	10	41	1.77	−1.14	0.82	0	4	23	3	4	n.	E. J. Hite.
Blairs	Fairfield	293	13	....	....	....	....	....	....	....	1.24	−0.87	0.64	0	4	....	....	....	....	J. N. Owens.
Calhoun Falls	Abbeville	508	23	....	....	....	....	....	....	....	2.20	−1.38	1.16	0	6	....	....	....	....	L. M. Parker.
Camden	Kershaw	222	56	61.4	0.0	93	13	29	10	42	0.54	−2.57	0.34	0	4	21	4	5	sw.	W. C. Brown.
Catawba	York	562	12	....	....	....	....	....	....	....	1.82	−0.58	0.82	0	5	....	....	....	....	James C. Faris.
Chappells	Newberry	402	12	....	....	....	....	....	....	....	1.33	−0.87	0.81	0	4	....	....	....	....	J. J. Murran.
Clemson College	Oconee	850	24	60.3	+0.9	84	13	30	10	37	3.04	−0.74	1.42	0	5	20	4	6	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	29	62.6	−0.2	89	13	33	10	33	1.11	−1.75	0.54	0	4	14	12	4	w.	U. S. Weather Bureau.
Edgefield	Edgefield	....	2	....	....	....	....	....	....	....	1.08	....	0.65	0	2	....	....	....	....	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	3	....	....	....	....	....	....	....	1.95	−1.27	0.74	0	6	....	....	....	....	Harry A. Parshall.
Greenville	Greenville	989	23	58.7	+1.3	92	13	24	10	45	2.41	−1.27	0.62	0	7	15	6	9	w.	J. H. Woodside.
Greenwood	Greenwood	671	27	60.4	−0.3	90	13	30	10	40	1.24	−1.69	0.43	0	6	22	0	8	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	15	59.4	−1.0	88	13	30	10	42	1.17	−1.76	0.60	0	4	9	18	3	n.	J. Marvin Bowers.
Kershaw	Kershaw	500	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	John W. Hamel.
Landrum	Spartanburg	1063	1	58.6	....	88	14	27	10	45	2.92	....	1.32	T.	6	16	11	3	....	R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	17	60.4	+0.1	90	13	30	10	42	3.10	−1.53	1.82	0	10	16	11	3	sw.	John T. Boggs.
Little Mountain	Newberry	711	23	^{c}62.2	+0.3	^{c} 89	13	34	10	^{c}38	1.48	−1.69	0.75	0	6	23	1	6	s.	J. M. Sease, M. D.
Meriwether	Edgefield	450	13	^{b}63.2	+0.7	^{b} 90	13	^{a} 29	10	^{b}42	1.40	−1.53	0.97	0	4	13	11	6	....	William S. Middleton.
Monetta	Saluda	400	9	62.3	....	88	† 13	30	10	41	1.78	....	1.03	0	6	14	14	2	sw.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	....	56.5	....	86	13	25	10	44	3.08	....	1.31	T.	11	18	7	5	....	J. H. Brown.
Newberry	Newberry	502	13	61.4	−0.6	90	† 13	27	10	44	1.41	−1.36	0.79	0	7	12	14	4	sw.	Warren G. Peterson.
Pelzer	Anderson	850	12	....	....	....	....	....	....	....	1.92	−1.62	0.76	0	6	....	....	....	....	Joshua Y. Jones.
Saluda	Saluda	536	15	60.6	−1.9	90	13	26	10	48	1.72	−0.75	0.81	0	6	23	4	3	w.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	23	60 0	−0.2	89	† 14	29	10	46	1.88	−1.40	0.97	0	7	19	9	2	w.	E. W. Jeter.
Spartanburg	Spartanburg	875	13	58.5	−1.4	90	13	30	10	41	2.72	−0.52	1.28	T.	7	....	....	....	....	F. P. Robinson.
Trenton	Edgefield	620	27	62.0	−0.6	89	13	30	10	40	1.17	−2.16	0.60	0	3	18	10	2	w.	Mrs. S. E. Long.
Walhalla	Oconee	1061	13	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	H. W. Brandt.
White Oak	Fairfield	548	....	62.0	+0.9	90	† 13	30	10	45	0.90	−1.74	0.33	0	7	17	10	3	sw.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	17	60.4	−0.1	90	13	31	10	48	1.92	−1.10	0.83	0	4	14	14	2	nw.	W. P. Goodman.
Division means and	extremes	....	....	60.6	−0.4	93	13	24	10	49	1.81	−1.47	1.91	T.	6	18	8	4	w.	
State means and ex	tremes	....	....	61.6	−0.7	93	13	24	10	49	1.79	−0.98	2.05	T.	5	18	8	4	w.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for April, 1916.

Stations.	Watershed.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ‖‖	Savannah			.08	.25				.74																	.30				T.	.10		1.47
Beaufort	Coast																																
Blackville ‖‖	Edisto			.15	.18				.90									.20													.10		1.53
Bowman	do			2.05				.77										T.							.32								3.14
Centenary	Pee Dee			.43			.16	.20	.32															T.	.12		T.			.04			1.27
Charleston ***	Coast		.07	1.98				.22	T			T.													.07					.01			2.35
Cheraw ‖‖	Pee Dee			.22	.35		.94		.73	.05								.01								.07		T.					2.37
Conway ‖‖	Waccamaw			.35	.25		T.		.55																T.	.13					.17		1.45
Darlington ‖‖	Pee Dee				.22		.07		.33									.05								.06							.73
Dillon	Little Pee Dee			.20	1.50		.07	.28									.02							T.	.08					T.			2.15
Edisto ‖‖	Edisto			.09	.51				.65																	.17							1.42
Effingham ‖‖	Lynches			.09	.64				.16									T.								.12							1.01
Ferguson ‖‖	Santee			.10	1.19				.49																	.11							1.89
Florence 1 ‖‖	Pee Dee			.10			T.		.84									.03							T.	.11							1.08
Florence 2	do			.45				.31	.17									.06							.05								1.04
Georgetown	Coast			1.00				.20	.45															T.	T.	T.				.15			1.80
Kingstree ‖‖	Black				.97				.45																	.21							1.63
Mayesville (near)	do			1.04	T.		T.	.12	.23									.06							.13								1.58
Oaks	do			.64				.02	.38																.10	.01				.02			1.17
Pinopolis	Cooper			1.31				.29																	.21								1.81
Rimini ‖‖	Santee			.02	1.18		.01		.56									.03								.25							2.05
St. George ‖‖	Edisto			.07	1.52				.26																	.20				.01	.02		2.08
St. Matthews ‖‖	Santee			.15	1.05				.50																	.15							1.85
Smiths Mills ‖‖	Pee Dee			.20	.45		.08		.42																	.12					.08		1.35
Society Hill ‖‖	do			.12	.23		.20		.43									.02								.09							1.09
Summerville	Ashley			1.39	.02			.38	.06																.39					.09			2.33
Walterboro	Ashepoo			1.64				.45	.01																.45					.20			2.75
Whitehall (near)	Combahee			1.95				.43	.01																.04	.01				.34			2.78
Yemassee ‖‖	do			.47	1.02				.55																	.12				.19	.15		2.50
Western Portion.																																	
Aiken	Edisto			.18				.64	.11													.05			.03								1.01
Anderson	Savannah			1.91				.44	.05								T.	.49				.17			.04	.02							3.12
Batesburg ‖‖	Edisto				.82				.52									T.				.09				.34					T.		1.77
Blairs ‖‖	Broad			.08	.64				.50																	.02							1.24
Calhoun Falls ‖‖	Savannah			.13	1.16					.40												.30					.19				.02		2.20
Camden ‖‖	Wateree				.16				.34									.02								.02							.54
Catawba ‖‖	Catawba			.36	.41		.17		.82																	.06							1.82
Chappells ‖‖	Saluda			.36	.45				.42									T.				.10											1.33
Clemson College	Savannah		T.	1.42		.30		.64									.63					T.			.05		T.		T.				3.04
Columbia ***	Congaree			.54				.42	T.									.03							.12		T.			T.			1.11
Edgefield ‖‖	Savannah				.43				.65																								1.08
Gaston Shoals ‖‖	Broad			.10	.59		.43	T.	.74									.06	T.				T.			.03		T.			T.		1.95
Greenville ‖‖	Saluda			.35	.62		.26		.59									.42				T.				.16					.01		2.41
Greenwood ‖‖	do			.16	.43				.37														.05			.16					.07		1.24
Heath Spring	Wateree			.25		.28		.60																	.04								1.17
Kershaw	Lynches																									T.							
Landrum	Broad			1.32	.01		.72	.63	.22	T.												.02			T.					T.			2.92
Liberty	Savannah		.02	1.82		.10		.78	.02								T.	.25				.02			.02	.05	T.		T.	.02			3.10
Little Mountain	Saluda			.75				.25	.03									.10				T.			.10		T.			.25			1.48
Meriwether	Savannah			.24				.97										.16				.03			T.		T.			T.			1.40
Monetta	Edisto			1.03				.56	.03									.04				.08			.04								1.78
Mountain Rest	Savannah	T.	T.	1.31		T.	.03	.73	.25	.02							.07	.32				.05			.09		T.		.13	.08			3.08
Newberry	Saluda			.79	.01		.04	.33	.09									.04				T.			.11								1.41
Pelzer ‖‖	do			.20	.56		.20		.52									.36				.08											1.92
Saluda	do			.81				.40	.10								.15								.21	.05							1.72
Santuck	Broad			.97	T.	.01	.15	.45	.24									T.				T.			.02	.04							1.88
Spartanburg ‖‖	do			.85	.43		.32		.70	T.	T.							.22				.08				.12							2.72
Trenton	Edisto			.51				.60										.06							T.								1.17
Walhalla	Savannah					.09		.49	.10	T.							.02	.25				T.			.05					.09			
White Oak	Broad			.33	.01		.01	.30	.18									.03							.04	T.							.90
Winthrop College	Catawba			.83		.54	.12	.43																									1.92

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR APRIL.

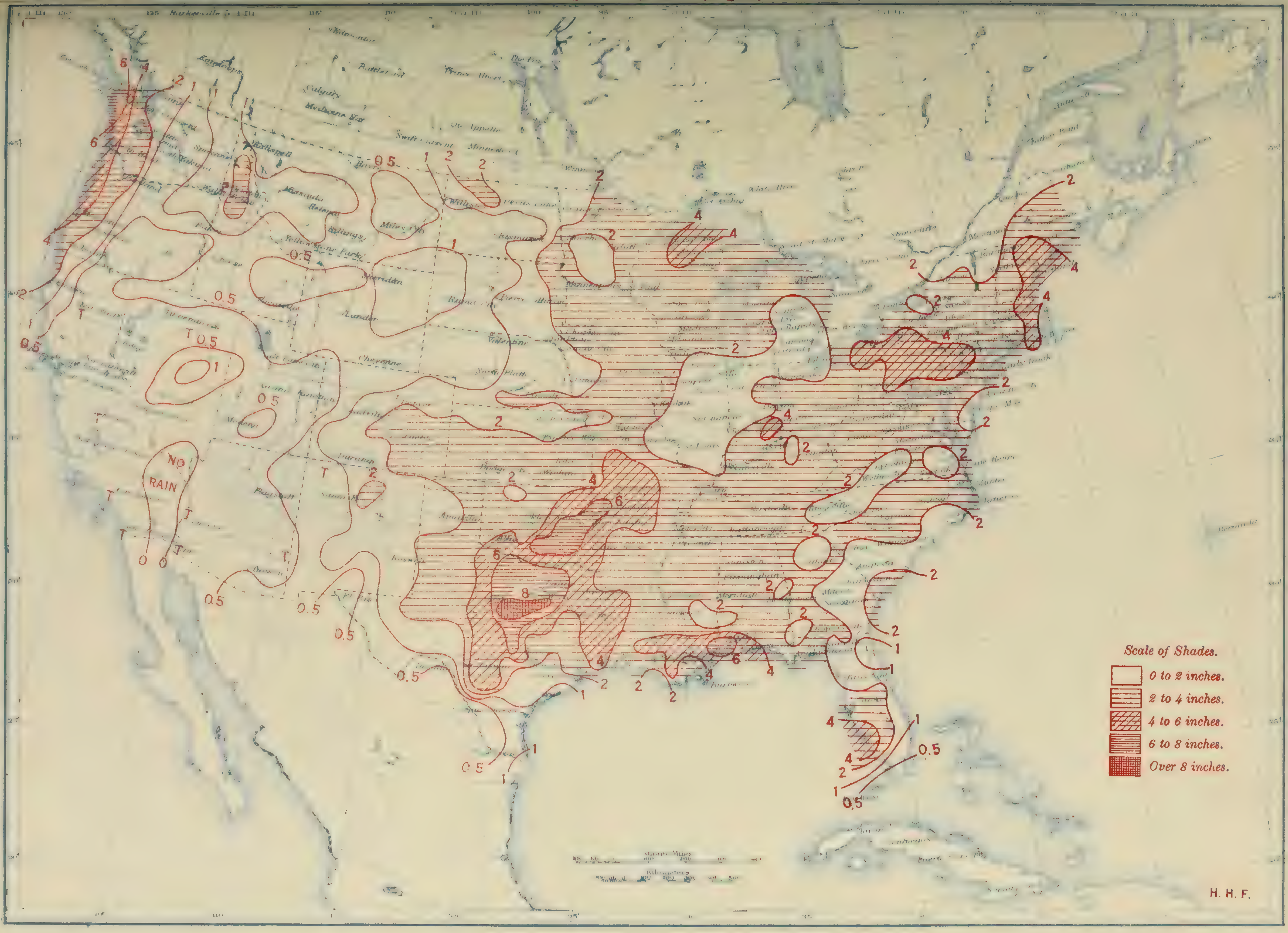
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	62.3	94	28	2.09	5				
1888	64.6	95	31	1.33	4				sw.
1889	62.4	93	30	2.01	6				ne.
1890	62.8	91	31	2.02	6				sw.
1891	63.2	92	26	1.66					sw.
1892	62.8	88	29	1.13					nw.
1893	66.7	94	34	1.30	5	15	10	5	sw.
1894	62.6	95	30	2.01	6	15	10	5	sw.
1895	61.4	94	28	5.55	10	12	9	9	sw.
1896	66.9	98	30	1.31	4	14	11	5	sw.
1897	62.2	95	31	3.24	9	16	6	8	sw.
1898	58.0	92	26	5.05	8	16	7	7	sw.
1899	60.0	91	27	3.02	7	12	9	9	n.
1900	62.4	90	24	5.41	9	12	9	9	ne.
1901	56.0	89	30	5.03	7	15	6	9	nw.
1902	60.4	91	24	2.18	7	15	9	6	w.
1903	60.4	88	26	2.95	8	14	9	7	w.
1904	59.2	89	21	1.34	6	14	8	8	sw.
1905	62.8	92	25	3.83	9	15	8	7	sw.
1906	65.1	93	28	1.39	4	20	6	4	sw.
1907	56.4	89	20	4.40	10	10	13	7	sw.
1908	66.6	95	31	4.75	9	11	10	9	sw.
1909	63.9	96	30	2.95	7	14	9	7	sw.
1910	63.4	95	32	1.71	5	15	10	5	sw.
1911	61.6	91	30	2.95	8	12	9	9	ne.
1912	64.3	91	32	4.24	9	14	5	11	sw.
1913	61.2	90	30	2.00	6	20	4	6	sw.
1914	63.7	98	30	2.86	7	14	10	6	w.
1915	63.1	96	25	1.47	4	20	6	4	w.
1916	61.6	93	24	1.79	5	18	8	4	w.
Period	62.3	98	20	2.77	7	15	8	7	sw.

Daily Temperatures for April, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	80	80	67	72	80	75	60	66	55	64	73	83	87	87	79	76	83	79	85	87	81	77	87	80	74	80	73	74	70	80	....	76.5
	Minimum	41	45	51	51	52	54	57	49	39	35	32	50	54	61	56	50	60	49	49	53	63	56	55	60	54	48	47	49	52	49	....	50.8
Beaufort	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Blackville §§	Maximum	82	84	63	78	80	77	65	64	62	74	75	87	92	89	88	80	85	81	92	90	82	88	89	79	79	79	77	79	80	84	....	80.1
	Minimum	41	48	58	48	50	54	44	43	37	28	42	44	53	55	52	49	51	46	46	62	58	52	53	57	53	46	45	45	53	45	....	48.6
Bowman	Maximum	80	81	68	70	72	71	68	64	52	63	71	80	81	82	78	76	78	80	80	88	82	80	88	80	81	80	78	79	69	80	....	76.0
	Minimum	50	55	48	45	48	53	50	45	37	29	40	46	48	50	50	45	46	44	48	58	62	54	56	55	50	48	43	40	54	41	....	47.9
Centenary	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	41	43	56	48	46	53	45	46	39	30	36	49	55	65	55	42	54	42	41	59	63	56	51	52	53	41	41	42	53	44	....	47.9
Charleston	Maximum	66	76	64	70	70	82	65	70	55	56	66	80	87	89	75	68	75	71	78	78	79	78	87	69	77	77	68	68	64	76	....	7.25
	Minimum	51	58	56	52	56	58	56	50	43	38	48	52	57	59	61	58	62	58	56	61	66	59	58	58	57	59	54	54	55	51	....	55.5
Cheraw §§	Maximum	79	79	51	68	73	62	49	58	51	59	68	82	91	88	72	74	80	74	83	87	84	74	87	72	73	72	71	72	71	79	....	72.8
	Minimum	49	53	52	46	55	51	48	40	38	33	38	54	59	60	51	50	56	54	46	62	64	55	58	50	50	42	41	44	52	48	....	50.1
Conway §§	Maximum	76	78	68	69	81	63	56	63	55	61	69	75	83	76	68	67	83	70	75	86	77	71	80	71	71	77	73	68	62	72	....	71.5
	Minimum	42	45	59	50	48	54	49	49	41	33	38	50	53	63	53	43	55	46	49	58	65	59	48	55	55	44	48	44	51	41	....	49.6
Darlington §§	Maximum	80	79	66	76	77	67	53	6	54	62	70	86	93	89	76	76	82	78	86	89	85	76	88	76	78	77	74	75	72	81	....	76.0
	Minimum	43	46	60	46	49	51	45	44	38	31	41	50	54	60	54	42	56	44	42	59	62	56	54	48	57	40	38	40	51	49	....	48.2
Dillon	Maximum	80	80	63	70	74	64	54	60	54	61	70	85	92	89	80	75	80	75	85	89	87	75	88	74	....	....	76	....	75	79	....	c 75.3
	Minimum	41	44	52	47	49	43	47	41	34	35	39	52	58	64	56	43	57	49	44	58	65	56	51	51	....	....	42	....	44	41	....	c 48.3
Ferguson §§	Maximum	75	80	81	78	77	68	58	65	54	62	70	82	85	89	76	75	83	75	85	87	85	80	88	80	76	80	83	73	78	76	....	76.8
	Minimum	44	50	54	52	52	60	56	49	38	30	31	62	64	68	65	63	63	61	61	65	71	75	70	57	51	44	42	43	44	50	....	54.5
Florence 1 §§	Maximum	80	68	55	66	68	64	52	55	52	61	71	84	87	84	79	76	73	77	87	90	86	76	89	74	77	78	79	80	80	83	....	74.7
	Minimum	45	45	42	46	47	52	48	44	38	33	37	46	55	63	58	45	55	47	45	50	65	56	54	50	53	44	43	45	50	45	....	48.2
Georgetown	Maximum	73	78	69	70	75	72	63	67	56	60	68	84	90	90	68	65	80	75	82	82	83	85	88	78	76	78	76	73	70	80	....	75.1
	Minimum	44	47	58	50	51	57	53	52	42	34	40	51	56	65	46	52	46	54	47	63	67	58	57	58	56	48	47	46	59	47	....	51.7
Kingstree §§	Maximum	79	81	67	70	77	67	57	64	55	61	71	84	90	88	77	76	84	76	84	87	86	75	87	75	74	81	72	74	66	79	....	75.5
	Minimum	42	46	58	49	49	51	48	49	35	31	35	42	52	60	57	46	57	45	47	60	63	56	51	54	52	45	42	45	50	45	....	48.8
Mayesville (near)	Maximum	79	80	72	70	77	73	63	63	61	61	72	84	92	89	88	76	83	80	86	88	82	76	88	85	75	80	72	74	72	79	....	77.3
	Minimum	40	44	53	43	47	53	41	47	38	28	39	49	52	58	56	42	54	42	42	56	64	52	49	52	50	40	40	40	50	42	....	46.7
Oaks	Maximum	76	80	....	69	76	69	65	....	54	60	69	83	86	87	84	74	80	78	84	8	85	75	86	75	75	80	70	74	68	77	....	b 75.8
	Minimum	40	42	....	50	46	55	....	41	40	31	36	45	48	63	54	41	53	43	42	54	63	58	45	53	54	41	44	40	52	42	....	b 47.0
St. George §§	Maximum	81	82	63	68	77	71	60	67	52	62	72	83	89	88	79	78	84	79	87	90	83	78	88	81	77	81	74	76	67	80	....	76.6
	Minimum	48	50	60	50	52	58	53	52	42	35	44	52	56	60	59	52	60	50	50	62	65	57	50	59	56	50	51	50	57	50	....	53.3
St. Matthews §§	Maximum	82	81	61	71	77	69	54	63	55	64	74	87	93	90	78	77	86	80	88	90	85	79	90	73	77	82	76	78	75	81	....	77.2
	Minimum	40	50	59	47	49	53	50	44	37	31	41	49	54	60	55	46	57	48	46	59	64	54	55	50	53	44	44	43	54	46	....	49.6
Society Hill §§	Maximum	79	80	57	70	75	63	51	60	52	61	70	87	93	89	73	76	81	76	86	89	85	75	88	7	74	75	71	72	69	80	....	74.5
	Minimum	48	48	56	45	46	51	15	41	37	32	40	43	54	57	53	42	55	44	41	56	64	53	51	46	56	39	39	4	49	43	....	46.9
Summerville	Maximum	77	79	69	71	76	72	64	68	63	61	70	81	88	87	83	74	83	76	84	83	82	77	80	82	76	79	72	75	67	77	....	76.1
	Minimum	44	47	59	51	51	55	53	52	41	32	40	48	53	57	59	49	57	48	46	49	64	55	53	58	53	47	47	48	55	47	....	50.9
Walterboro	Maximum	80	82	72	70	67	72	67	70	61	63	73	88	89	90	84	77	85	80	83	87	82	79	86	82	77	81	77	77	70	79	....	77.7
	Minimum	42	55	58	51	52	55	53	52	40	30	49	....	51	59	57	49	58	46	45	60	66	55	52	57	53	45	45	47	55	45	....	a 50.7
Yemassee §§	Maximum	78	81	68	70	77	77	62	69	55	62	72	82	88	88	78	76	85	78	83	87	81	78	87	80	77	82	74	76	63	78	....	76.4
	Minimum	28	41	56	50	49	50	54	52	39	28	38	41	47	55	55	46	52	47	44	59	59	52	48	51	52	43	42	47	51	43	....	47.7
Western Portion.																																	
Aiken	Maximum	80	75	73	80	79	81	72	61	67	62	74	83	90	89	89	82	86	83	87	92	89	78	87	86	76	79	75	73	71	81	....	79.4
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Anderson	Maximum	80	74	63	72	75	71	60	60	54	61	72	83	83	87	83	72	79	76	85	88	76	72	85	75	75	69	71	73	75	83	....	72.7
	Minimum	48	51	47	48	53	46	41	40	36	34	47	52	58	59	51	50	56	48	49	60	60	57	56	54	45	47	43	48	49	48	....	48.2
Batesburg §§	Maximum	74	76	61	69	74	69	51	48	51	59	69	81	88	86	70	76	79	75	84	87	75	73	84	69	72	71	69	71	70	78	....	72.0
	Minimum	50	58	59	45	47	50	51	40	37	29	33	40	51	64	55	52	55	47	50	54	60	53	54	55	52	51	43	45	48	41	....	49.0
Camden §§	Maximum	78	79	65	72	76	66	51	62	51	61	72	87	93	90	73	74	84	77	86	88	81	76	89	73	75	75	72	74	78	81	....	75.5
	Minimum	42	44	49	47	47	53	50	44	39	29	30	44	51	52	64	48	48	47	45	46	64	55	57	54	52	46	38	38	53	45	....	47.4
Clemson College	Maximum	74	73	67	68	71	71	66	55	51	55	67	77	84	81	77	76	76	74	78	83	86	73	80	79	69	63	67	68	72	74	....	71.7
	Minimum	41	47	50	50	53	50	41	40	38	30	43	50	58	62	50	53	58	45	46	58	64	55	58	55	53	46	42	42	43	42	....	48.9
Columbia	Maximum	76	78	65	68	76	66	56	60	52	60	70	83	89	88	77	76	80	74	84	87	79	74	86	71	72	73	70	72	69	79	....	73.8
	Minimum	48	54	49	47	53	53	45	42	35	33	46	50	58	66	57	52	58	52	54	63	65	57	56	53	54	49	44	46	53	47	....	51.5
Greenville §§	Maximum	80	77	52	72	69	69	47	56	52	60	72	85	92	88	79	72	79	77	84	88	77	78	86	66	73	71	71	73	75	82	....	73.4
	Minimum	40	43	52	46	47	46	45	36	32	21	27	36	50	57	51	44	19	43	41	49	61	51	54	51	44	39	35	43	41	40	....	44.0
Greenwood §§	Maximum	79	77	69	71	75	68	51	58	52	59	70	81	90	87	79	77	80	77	85	88	77	75	85	68	73	68	70	71	71	78	....	73.6
	Minimum	45	47	58	45	45	47	49	38	31	30	31	47	50	58	50	47	52	47	47	51	61	62	52	51	51	47	42	44	45	45	....	47.2
Heath Spring	Maximum	75	75	63	73	70	62	63	51	48	55	66	82	88	85	74	72	78	72	79	78	78	81	84	68	71	66	69	74	77	78	....	71.9
	Minimum	41	51	46	40	53	48	49	40	35	30	40	48	59	63	45	45	55	43	43	51	60	51	51	49	48	47	38	45	43	41	....	46.8
Kershaw	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	85	72	72	71	69	72	71	79	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	48	48	41	40	40	46	43	....	....
Landrum	Maximum	77	74	69	69	65	65	56	55	46	57	70	82	86	88	75	71	77	75	82	85	80	76	81	73	67	64	63	69	71	71	....	71.7
	Minimum	45	49	49	45	53	47	35	34	32	27	38	43	54	55	54	46	60	47	40	55	59	50	52	47	46	38	37	44	45	40	....	45.5
Liberty	Maximum	77	73	67	72	70	67	57	53	48	60	70	82	90	85	79	68	77	76	81	85	76	76	83	75	72	67	57	73	73	82	....	72.3
	Minimum	43	51	48	48	53	45	38	37	33	30	43	50	56	63	59	48	56	43	43	59	62	62	55	53	50	51	51	41	46	41	....	48.6
Little Mountain	Maximum	80	79	70	70	78	68	60	56	54	60	70	82	89	84	80	76	....	....	....	88	83	80	88	75	54	70	71	74	71	78	....	c 71.4
	Minimum	50	53	46	44	53	49	42	39	35	34	44	52	57	64	60	50	58	50	50	61	63	54	56	53	52	53	41	46	47	48	....	50.1
Meriwether	Maximum	82	80	73	76	79	73	62	62	54	63	....	....	90	87	81	79	82	85	88	90	80	77	87	87	77	75	73	76	76	83	....	b 77.8
	Minimum	42	54	52	48	50	50	48	42	37	29	42	46	....	61	53	51	57	46	51	59	63	53	53	57	51	41	42	41	45	43	....	a 48.5
Monetta	Maximum	78	78	74	70	75	75	63	59	50	59	70	82	88	87	79	78	80	76	85	88	83	74	85	82	72	71	70	73	71	79	....	75.1
	Minimum	45	52	50	45	51	50	46	41	36	30	44	47	56	64	57	49	57	51	51	62	62	54	53	55	49	47	44	44	47	47	....	49.5
Mountain Rest	Maximum	73	70	57	69	65	66	54	50	44	54	66	80	86	82	73	62	73	72	77	81	77	72	79	70	67	63	67	65	67	75	....	68.5
	Minimum	45	47	50	45	48	43	37	35	30	25	36	41	50	60	49	48	51	38	44	52	62	47	55	49	47	38	40	40	41	40	....	44.5
Newberry	Maximum	80	78	70	70	76	68	62	57	53	61	71	84	90	88	78	78	82	77	86	90	80	76	88	75	74	70	71	72	72	80	....	75.2
	Minimum	42	52	48	45	52	49	43	40	35	27	44	48	54	62	52	47	57	49	44	61	64	54	53	53	47	40	38	42	47	42	....	47.7
Saluda	Maximum	80	80	73	74	76	69	63	60	54	62	71	82	90	89	79	79	81	78	85	89	81	76	87	78	75	73	73	75	72	82	....	76.2
	Minimum	37	51	50	45	47	48	44	39	35	26	40	46	52	59	46	45	56	38	41	60	64	50	51	50	46	38	36	36	40	38	....	45.1
Santuck	Maximum	78	76	68	71	73	66	54	57	52	59	69	81	88	89	77	76	80	76	84	89	77	76	86	75	72	68	70	73	72	80	....	73.7
	Minimum	41	48	47	44	53	46	40	38	34	29	40	49	53	59	47	44	57	46	43	60	64	51	55	50	19	39	37	40	46	43	....	46.4
Spartanburg §§	Maximum	80	76	49	70	69	65	46	55	48	59	70	83	90	76	76	76	79	75	84	88	76	77	86	68	68	68	68	73	72	81	....	71.7
	Minimum	43	45	47	43	47	45	45	36	33	30	37	45	55	49	45	45	55	45	44	52	61	50	53	48	48	40	37	42	50	45	....	45.3
Trenton	Maximum	79	78	71	72	76	70	59	59	52	60	70	81	89	84	79	79	79	76	85	88	78	73	85	77	73	76	72	73	73	80	....	74.9
	Minimum	48	53	42	45	52	51	46	40	35	30	41	51	56	59	54	52	50	50	48	60	63	53	55	56	52	50	43	43	45	48	....	49.0
White Oak	Maximum	80	80	73	71	75	72	62	58	52	62	70	82	90	90	82	76	83	76	87	90	81	75	88	85	73	73	71	73	73	83	....	76.2
	Minimum	45	51	48	44	51	47	41	39	35	30	41	50	58	62	51	45	55	46	45	60	63	50	56	49	48	49	40	43	46	45	....	47.9
Winthrop College	Maximum	78	72	72	68	71	64	63	54	50	57	79	82	90	81	79	72	78	75	81	87	81	75	83	82	68	66	66	70	72	77	....	73.1
	Minimum	42	51	46	42	56	46	40	36	34	31	44	51	56	59	57	46	52	43	46	60	63	52	53	49	48	56	39	40	44	45	....	47.6

Reference letters (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
H. H. F.

UNIVERSITY OF ILLINOIS

.03
SC Stack

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

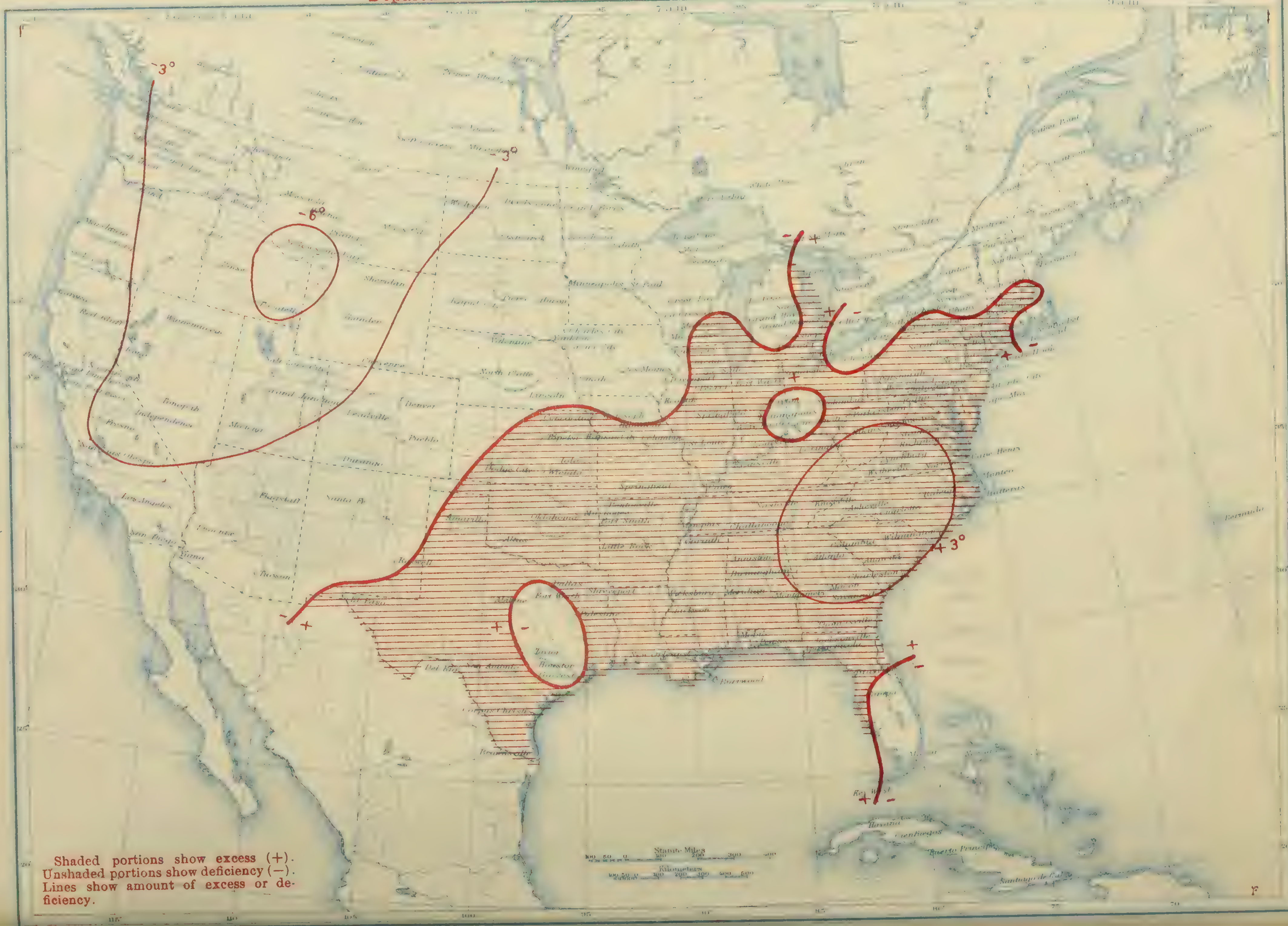
SOUTH CAROLINA SECTION

MAY, 1916

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
June 29, 1916.

Departure of the Mean Temperature from the Normal, May, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

Vol. XIX. Columbia, S. C., May, 1916. No. 5.

GENERAL SUMMARY.

General lack of copious rains until the last decade, with alternating periods of abnormal heat and cold, marked the weather of the month of May. In fact, the drought, which set in after the rains of early April, was not more than temporarily relieved over extensive areas of the middle and southern counties, and the prolonged dry weather caused progressive deterioration of all crops, except corn, which maintained unexpected vigor. These conditions were attended by unsatisfactory germination of cotton and late corn, slow growth of young tobacco, parched pastures, gardens, and field truck and the falling of staple fruits. Wheat exceeded expectations, but the oat yield was materially reduced. Late rains, however, improved the general situation, and the month closed with cotton coming to good stands nearly everywhere, tobacco becoming vigorous, late corn germinating and growing well, and sweet potatoes being transplanted in large areas. Native strawberries of fine quality were marketed during the month. Excessive rains in the Catawba River watershed on the 22d and 23d were followed by a moderate freshet in the lower rivers, the crest passing Ferguson by the 29th.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 29.96 inches. The highest pressure in the region covered by reports was 30.27 inches at Columbia, S. C., and Wilmington, N. C., on the 1st; lowest pressure, 29.60 inches at Wilmington, N. C., on the 16th, and in the Section proper, 29.64 inches at Charleston on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 44 stations, was 73.8°, or 2.2° above the established normal. The highest temperature was 103° at St. Matthews, Calhoun Co., on the 8th and 27th. The warmest periods of the month were generally between the 8th and 12th and from the 26th to 28th, when temperatures near or above 100° were general over the Section. The lowest temperature was 42° at Bowman, Orangeburg Co., on the 1st and 18th; at Centenary, Marion Co., on the 1st; at Dillon, Dillon Co., on the 2d, and at Mountain Rest, Oconee Co., on the 5th. The coolest periods were during the first week of the month and between the 17th and 19th.

HUMIDITY.

The mean relative humidity, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 72%; 8 p. m., 60%. The highest percentages occurred over the immediate coast districts, and the lowest, in a narrow belt extending from middle Georgia to middle North Carolina.

PRECIPITATION.

The average for the Section, 59 stations reporting, was 2.44 inches, or 1.03 inches below the established normal. The precipitation was badly distributed as to amount. Although there was a short period of rain on the 4th and 5th and a more extended period of showers between the 14th and 19th, copious rains were a rarity until the 22d, 23d, and 24th, when the general drought situation was materially relieved. The greatest amounts, ranging from 4 to over 7 inches, were confined to the extreme northwestern and extreme eastern counties, while over the remainder of the Section the measurements were much below normal, particularly in a belt extending from Barnwell, Bamberg, and Dorchester counties to Lancaster and Chesterfield counties, where the amounts were less than 1 inch. The greatest local monthly amount was 7.36 inches at Mountain Rest, Oconee Co.; least monthly amount, 0.57 inch at Camden, Kershaw Co. The greatest 24-hour amount at any station was 3.71 inches at Greenville, Greenville Co., on the 22d and 23d. The average number of rainy days was 38% below normal.

WIND.

The prevailing winds were from the southwest. The average hourly velocity, determined from 7 anemometer records, was 9.2 miles. The highest average velocity in the region covered by reports was 12.3 miles per hour at Savannah, Ga.; lowest average, 6.2 miles per hour at Augusta, Ga. In the Section proper the average velocities were 11.0 miles per hour at Charleston and 7.9 miles per hour at Columbia. The highest velocity for any 5-minute period was 58 miles per hour from the northwest at Charlotte, N. C., on the 18th, and in the Section proper, 35 miles per hour from the northeast at Charleston on the 14th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 326.8 hours, or 76% of the possible amount. The average number of clear days was 20; partly cloudy, 7, and cloudy, 4, as against normals of 15, 10, and 6 days, respectively.

RIVER CONDITIONS.

Excepting moderate freshets of short duration in the Catawba, Wateree, Santee and upper Pee Dee rivers subsequent to the heavy rains on the 22d and 23d in the upper reaches, the rivers of the Section continued relatively low throughout the month.

MISCELLANEOUS PHENOMENA.

Fogs, dense (dates).—Centenary, 29; Darlington, 13; Smiths Mills, 28, 29.

Hail (date).—Georgetown, 16.

Halos (dates).—*Lunar:* Bowman, 10; Liberty, 12. *Solar:* Columbia, 3; Liberty, 12; Mayesville (near), 3, 8.

Severe Storm.—Charleston, thunderstorm on 30th; wind squall estimated at 75 miles per hour blew down a sign and killed one negro man.

MISCELLANEOUS DATA FOR MAY, 1916.

Stations.	Barometer—sea level.	Temperature—degrees Fahr.			Precipitation—inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity—miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	29.96	65.6	88	44	3.60	2.62	7.9	nw.	71	55	61
Augusta, Ga.......	29.92	75.6	99	53	1.65	1.16	6.2	se.	72	50	81
Charleston, S. C...	29.98	74.4	90	56	1.22	0.59	11.0	s.	70	74	79
Charlotte, N. C ...	29.96	72.6	96	53	4.41	3.21	10.9	sw.	70	49	81
Columbia, S. C....	29.96	95.9	99	56	0.58	0.20	7.9	sw.	71	47	77
Savannah, Ga.....	29.98	75.4	95	58	1.61	1.35	12.3	s.	72	73	77
Wilmington, N. C.	29.98	71.8	92	51	3.35	2.18	8.5	sw.	79	74	74
Means and extremes......	29.96	73.0	99	44	2.35	3.21	9.2	sw.	72	60	76

Climatological Data for May 1916.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'n (0.01 in. or more)	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	27	75.9	+2.7	99	27	52	2	38	0.95	−2.42	0.50	0	3	23	5	3	w.	R. B. Vance.
Beaufort	Beaufort	21	29	^{h}75.6	+2.0	^{h}95	9	^{h}48	1	^{h}31	1.40	−1.75	....	0	....	....	....	....	sw.	Miss Lillian H. Rice.
Blackville	Barnwell	296	27	76.7	+3.2	102	† 8	51	† 1	45	0.78	−2.68	0.38	0	4	....	....	....	....	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	15	73.4	+1.1	101	27	42	† 1	42	0.92	−2.49	0.40	0	4	19	9	3	sw.	B. O. Evans.
Centenary	Marion	43	1	....	....	96	27	42	1	....	3.22	....	1.78	0	6	17	9	5	sw.	D. L. Carmichael.
Charleston	Charleston	48	45	74.4	+1.4	90	7	56	1	24	1.22	−2.25	0.59	0	3	17	8	6	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	26	74.1	+3.4	99	27	52	† 1	35	2.29	−1.25	0.56	0	7	....	....	....	....	J. H. Powe.
Conway	Horry	25	30	70.4	−0.6	93	9	45	1	40	5.16	+1.80	2.55	0	4	12	0	11	sw.	Paul Quattlebaum.
Darlington	Darlington	175	21	74.0	+2.6	99	27	44	1	44	2.39	−0.96	1.36	0	4	17	3	11	....	D. C. McCall.
Dillon	Dillon	100	13	^{f}73.2	+1.6	^{f}97	9	^{f}42	2	^{f}46	3.12	−0.03	1.80	0	5	....	....	....	....	A. E. Rowell.
Edisto ‡‡	Bamberg	143	28	....	....	....	....	....	....	....	1.47	−1.56	0.82	0	4	....	....	....	....	Nathan Jenkins.
Effingham	Florence	106	23	....	....	....	....	....	....	....	3.86	−0.49	2.47	0	3	....	....	....	....	H. B. McCall.
Ferguson	Orangeburg	63	30	^{k}73.2	+2.1	99	27	^{k}46	1	^{k}39	1.05	−3.12	0.35	0	6	....	....	....	....	Joseph P. Simons.
Florence 1	Florence	136	27	74.6	+2.1	101	† 8	47	1	42	2.85	−0.70	1.20	0	5	17	8	6	sw.	H. K. Gilbert.
Florence 2	.....do	136	1	....	....	....	....	....	....	....	2.25	−1.30	0.90	0	6	18	11	2	e.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	21	74.8	+2.6	94	7	46	1	41	2.90	−0.04	1.00	0	4	13	18	0	w.	A. P. Hazard.
Kingstree	Williamsburg	54	27	74.0	+1.9	99	27	45	1	43	1.92	−0.92	0.75	0	4	20	4	7	s.	A. O. Matthews.
Mayesville (near)	Sumter	70	1	73.5	....	99	27	43	1	48	2.86	....	1.33	0	5	17	7	7	s.	Lewis E. Warren.
Oaks ††	Georgetown	....	1	^{a}72.2	....	^{a}97	8	^{a}42	1	^{a}44	2.11	....	1.05	0	6	16	13	2	s.	O. M. Mitchell.
Pinopolis **	Berkeley	54	66	72.1	+1.1	92	† 8	50	1	....	2.03	−1.82	1.25	0	3	15	10	6	sw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	6	....	....	....	....	....	....	....	1.37	....	0.54	0	5	....	....	....	....	William B. Wolfe.
St. George	Dorchester	109	27	76.0	+3.1	100	27	52	1	39	0.77	−2.41	0.50	0	5	20	4	7	sw.	R. S. Weeks.
St. Matthews	Calhoun	269	27	76.2	+4.2	103	† 8	52	18	42	0.83	−2.56	0.31	0	4	18	11	2	n.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	20	....	....	....	....	....	....	....	3.89	−0.04	2.44	0	4	....	....	....	....	W. G. Walker.
Society Hill	Darlington	192	24	^{a}70.6	−0.4	^{a}102	27	^{a}47	1	^{a}42	1.47	−1.75	0.65	0	7	....	....	....	....	T. S. Lucas.
Summerville	Dorchester	75	18	73.8	−1.8	96	8	47	1	40	2.96	−0.05	0.95	0	6	12	17	2	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	13	^{b}73.8	+0.8	98	8	^{b}46	1	^{b}42	1.14	−2.51	0.80	0	7	15	8	8	....	J. A. Westerberg.
Whitehall (near)	.....do	4	....	....	....	....	....	....	....	....	2.20	....	0.98	0	6	21	5	5	s.	Special Rice Exp. Station.
Yemassee	Hampton	24	20	72.9	−0.1	97	8	46	1	42	1.38	−1.92	1.38	0	1	18	4	9	....	J. G. Hutson.
Division means and extremes				73.9	+1.8	103	† 8	42	† 1	48	2.09	−1.28	2.55	0	5	18	8	5	sw.	
Western Portion.																				
Aiken	Aiken	527	55	^{d}73.8	+0.6	101	27	^{d}49	1	^{d}42	2.32	−1.08	0.79	0	6	19	11	1	w.	W. M. Brown.
Anderson	Anderson	764	20	73.9	+3.3	99	† 11	50	17	40	3.17	+0.53	2.02	0	6	25	0	6	w.	H. H. Russell.
Batesburg	Lexington	656	27	73.7	+2.2	96	† 11	51	19	36	1.46	−1.96	0.82	0	5	23	4	4	nw.	E. J. Hite.
Blairs	Fairfield	293	13	....	....	....	....	....	....	....	1.33	−1.21	0.46	0	6	....	....	....	....	J. N. Owens.
Calhoun Falls	Abbeville	508	23	....	....	....	....	....	....	....	2.63	−0.90	2.01	0	6	....	....	....	....	L. M. Parker.
Camden	Kershaw	222	56	^{a}74.6	+4.7	^{a}100	26	^{a}50	† 2	^{a}40	0.57	−2.64	0.26	0	4	25	3	3	ne.	W. C. Brown.
Catawba	York	562	12	....	....	....	....	....	....	....	1.58	−1.74	0.69	0	6	....	....	....	....	James C. Faris.
Chappells	Newberry	402	12	....	....	....	....	....	....	....	1.97	−0.56	1.10	0	4	....	....	....	....	J. J. Murran.
Clemson College	Oconee	850	24	71.2	+1.9	91	27	47	1	36	4.60	+1.19	2.30	0	5	16	11	4	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	29	75.9	+4.1	99	27	56	19	34	0.58	−2.61	0.20	0	7	17	8	6	sw.	U. S. Weather Bureau.
Edgefield	Edgefield	....	2	....	....	....	....	....	....	....	1.98	....	1.35	0	6	....	....	....	....	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	3	....	....	....	....	....	....	....	5.06	+2.09	2.57	0	10	....	....	....	....	Harry A. Parshall.
Greenville	Greenville	989	23	72.5	+5.4	100	27	45	1	46	4.59	+0.27	3.71	0	8	17	10	4	w.	J. H. Woodside.
Greenwood	Greenwood	671	27	74.0	+2.6	98	11	50	1	34	1.80	−1.82	1.05	0	4	25	0	6	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	15	72.6	+1.8	100	27	53	† 1	39	1.10	−2.10	0.47	0	6	13	16	2	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	....	73.8	....	102	27	50	1	40	0.93	....	0.52	0	7	23	3	5	sw.	John W. Hamel.
Landrum	Spartanburg	1063	1	71.0	....	97	11	43	† 1	54	7.07	....	2.30	0	9	21	7	3	....	R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	17	74.2	+4.2	98	† 8	51	18	45	3.24	−1.15	2.50	0	7	21	9	1	sw.	John T. Boggs.
Little Mountain	Newberry	711	23	74.6	+2.4	101	27	50	3	39	2.06	−0.79	1.03	0	6	22	6	3	s.	J. M. Sease, M. D.
Meriwether	Edgefield	450	13	^{b}76.4	+5.6	^{b}102	† 11	^{b}51	6	^{b}46	3.01	+0.53	2.15	0	4	18	9	4	....	William S. Middleton.
Monetta	Saluda	400	9	^{a}75.1	....	101	27	^{a}52	19	^{a}38	1.53	....	1.28	0	5	13	17	1	sw.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	....	68.4	....	92	27	42	5	41	7.36	....	3.70	0	7	23	5	3	....	J. H. Brown.
Newberry	Newberry	502	13	75.0	+3.7	102	27	50	5	47	1.67	−1.29	1.32	0	6	18	11	4	s.	Warren G. Peterson.
Pelzer	Anderson	850	12	....	....	....	....	....	....	....	3.90	+0.16	2.90	0	5	....	....	....	....	Joshua Y. Jones.
Saluda	Saluda	536	15	73.5	+1.9	101	11	46	5	54	2.11	−0.43	1.52	0	8	23	6	2	s.	Mrs. F. V. J. Maxwell
Santuck	Union	512	23	74.3	+3.9	101	27	50	1	47	2.83	−0.12	2.24	0	6	18	11	2	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	13	72.8	+2.7	100	† 11	47	1	45	4.71	−0.51	2.75	0	7	....	....	....	....	F. P. Robinson.
Trenton	Edgefield	620	27	74.4	+2.0	100	27	53	† 1	37	1.87	−0.99	1.45	0	2	20	8	3	sw.	Mrs. S. E. Long.
Walhalla	Oconee	1061	13	....	....	....	....	....	....	....	4.29	+0.26	2.00	0	8	15	11	5	sw.	H. W. Brandt.
White Oak	Fairfield	548	....	75.4	+4.2	102	27	52	1	44	1.07	−2.11	0.76	0	5	17	11	3	s.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	17	73.8	+3.6	98	11	53	† 10	38	2.83	+1.33	1.40	0	4	18	13	0	sw.	W. P. Goodman.
Division means and extremes				73.8	+3.0	102	† 11	42	5	54	2.75	−0.69	3.71	0	6	20	8	3	sw.	
State means and extremes				73.8	+2.2	103	† 8	42	† 1	54	2.44	−1.03	3.71	0	5	20	7	4	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.
T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for May, 1916.

Stations.	Watershed.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ||||	Savannah																T.							.05	.50							.40	0.95
Beaufort	Coast															T.									*	1.40					T.		1.40
Blackville ||||	Edisto																.05							.20	.18							.35	0.78
Bowman	do				.08											.06			T.					.40							.38		0.92
Centenary	Pee Dee				T.									T.		1.78	.32			.04			T.	.70	T.					.01	.37		3.22
Charleston ***	Coast				T.										T.	.21	T.		T.				T.	.59							.42		1.22
Cheraw ||||	Pee Dee					.11											.56	.55		.01			T.	.32	.21							.53	2.29
Conway ||||	Waccamaw					T.										.12	2.55	T.		T.					.89							1.60	5.16
Darlington ||||	Pee Dee				T.												1.36	.25		T.					.47							.31	2.39
Dillon	Little Pee Dee													T.		1.80	.23							.64	.01					T.	.44		3.12
Edisto ||||	Edisto					.12																		.30	.52							.53	1.47
Effingham ||||	Lynches					T.										T.	2.47								.85							.54	3.86
Ferguson ||||	Santee					.15										.03	.27							.10	.25							.25	1.05
Florence 1 ||||	Pee Dee				T.	T.											1.20	.48		.04				T.	.51						T.	.62	2.85
Florence 2	do															.17	.90		.02					.48						.15	.53		2.25
Georgetown	Coast															.70	.50			T.				1.00							.70		2.90
Kingstree ||||	Black					.23											.75								.47							.47	1.92
Mayesville (near)	do				T.											.31	1.33	.05		T.				.48					T.		.69	T.	2.86
Oaks	do				.13											.77	.04			.05				1.05							.07		2.11
Pinopolis	Cooper															.55								1.25						.23			2.03
Rimini ||||	Santee																.18							.05	.47						.13	.54	1.37
St. George ||||	Edisto					.03											.11								.50				.04			.09	0.77
St. Matthews ||||	Santee																.31							.10	.19							.23	0.83
Smiths Mills ||||	Pee Dee					T.										.06	2.44			T.				.92								.47	3.89
Society Hill ||||	do					.09											.65	.07		.02				.01	.26							.37	1.47
Summerville	Ashley				.85										T.	.22	.50						T.	.95	.25						.19		2.96
Walterboro	Ashepoo				.10										.11	.06			.01				.54	.26						.06			1.14
Whitehall (near)	Combahee				.35									.03		.06							T.	.98	.61						.17		2.20
Yemassee ||||	do																T.	T.		T.					1.38							T.	1.38
Western Portion.																																	
Aiken	Edisto															.03				.06				.79	.50				.49		.45		2.32
Anderson	Savannah				.07												.05						2.02	.99					.02		.02		3.17
Batesburg ||||	Edisto					T.											.06	.10		T.				.62	.20						.48		1.46
Blairs ||||	Broad																	.14		.06			.07	.44	.46							.16	1.33
Calhoun Falls ||||	Savannah				.09	.02																	.12	2.01	.06					.33			2.63
Camden ||||	Wateree																.16	T.		T.			T.	.16	.10							.15	0.57
Catawba ||||	Catawba																.16	.07		.03				.38	.69							.25	1.58
Chappells ||||	Saluda																	.50					.12	1.10	.25								1.97
Clemson College	Savannah				.04												T.		.01				1.52	2.30							.73		4.60
Columbia ***	Congaree				T.										T.	.02	.20		.02				.13	.07	.09					.05	.09		0.58
Edgefield ||||	Savannah																.02	.14		.09				1.00	.35							.38	1.98
Gaston Shoals ||||	Broad			T.	.05					.02			T.		.03			.28		.02			.13	2.57	1.47						.12	.37	5.06
Greenville ||||	Saluda				.06										.03			T.		.03			.36	3.71	.17						.01	.22	4.59
Greenwood ||||	do																						.25	1.05	.35							.15	1.80
Heath Spring	Wateree				.03												.47		.02					.37	.10						.11		1.10
Kershaw	Lynches					T.											.30	.22		.03				.22	.10				.01			.05	0.93
Landrum	Broad				.03										1.01		.16		.02				1.80	2.30	.01					.20	1.54		7.07
Liberty	Savannah				.04												.02		.04				.25	2.50						.01	.38		3.24
Little Mountain	Saluda				.26											.13	.03						.10	1.03							.51		2.06
Meriwether	Savannah														T.	T.			T.	.06			.26	2.15							.54		3.01
Monetta	Edisto															.09	.02			.04				1.28							.10		1.53
Mountain Rest	Savannah			T.										T.					.19	.08			3.18	3.70					.02	.17	.02		7.36
Newberry	Saluda				.01											T.	.15			.02			.12	1.32							.05		1.67
Pelzer ||||	do				.04													T.		T.			.40	2.90	T.						.22	.34	3.90
Saluda	do				.05											.05	.20		.02				.09	1.52				.05			.13		2.11
Santuck	Broad				T.											.06	.01		.11				.37	2.24	.04				T.		T.		2.83
Spartanburg ||||	do				T.	.08									.12			.08					.18	2.75	.67							.83	4.71
Trenton	Edisto															T.	T.						T.	1.45						.42			1.87
Walhalla	Savannah			T.	.05												.02		.05				2.00	1.72					.20	.22	.03		4.29
White Oak	Broad				T.											T.	.18		.01				.08	.76	T.						.04		1.07
Winthrop College	Catawba															.50	.43							1.40	.50								2.83

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. † Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

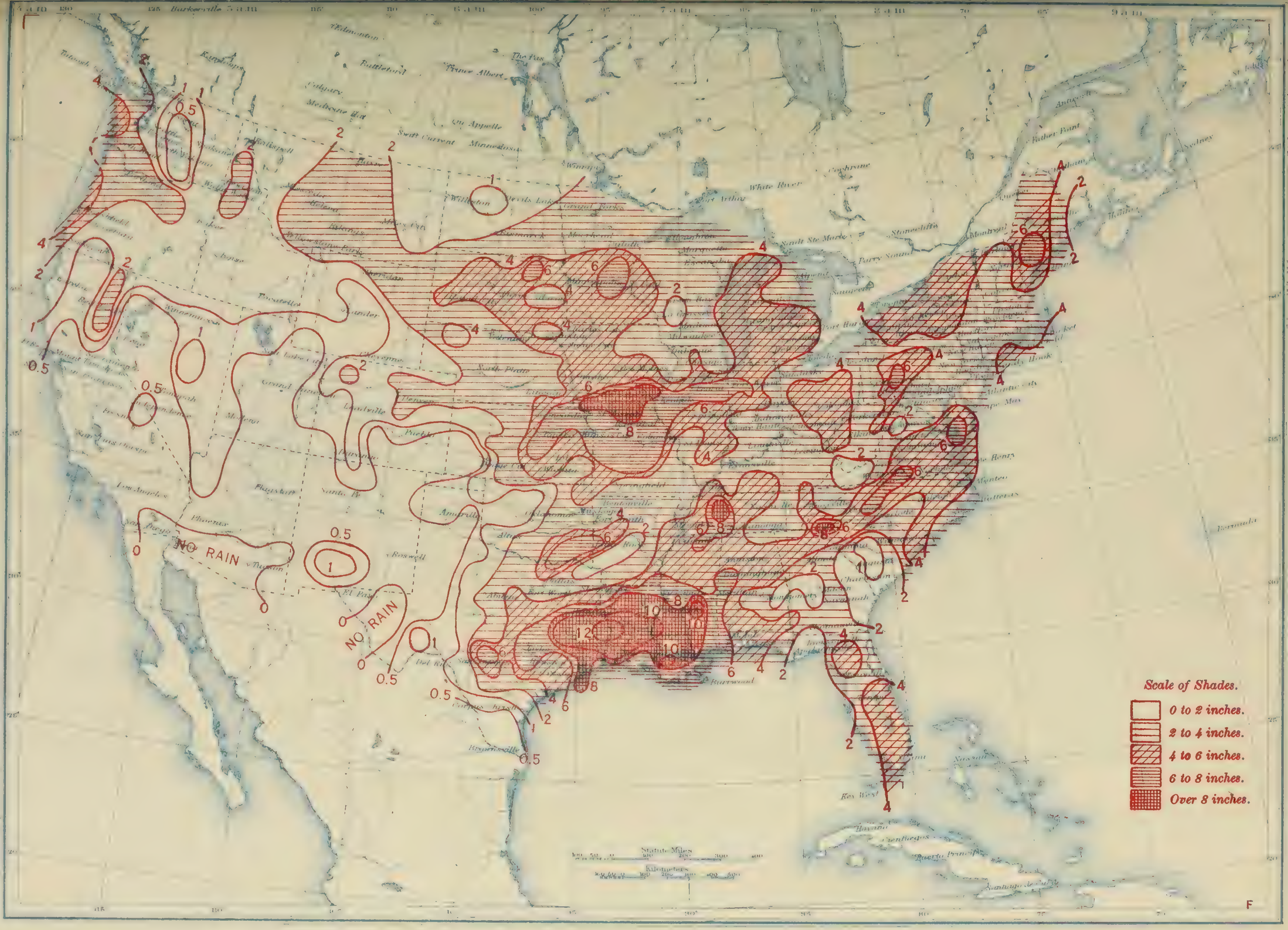
COMPARATIVE DATA FOR MAY.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	72.5	97	41	3.17	10				
1888	70.2	99	33	7.51	11				
1889	71.7	101	35	1.97	5				nw.
1890	71.0	95	30	5.44	10				sw.
1891	69.0	100	36	3.57					ne.
1892	71.1	94	39	3.53					
1893	70.2	97	38	4.13	9	13	9	9	sw.
1894	70.7	98	38	3.13	9	10	16	5	sw.
1895	69.0	101	34	4.36	9	11	12	8	sw.
1896	76.7	104	42	2.74	8	14	13	4	sw.
1897	69.3	97	38	2.39	6	18	8	5	sw.
1898	73.8	106	39	1.35	5	18	10	3	sw.
1899	73.7	100	45	1.68	5	15	10	6	sw.
1900	70.2	96	38	2.37	5	19	7	5	sw.
1901	71.4	99	40	7.31	11	13	10	8	sw.
1902	74.0	101	42	2.69	8	15	10	6	sw.
1903	70.7	104	44	2.69	9	12	9	10	ne.
1904	70.6	99	38	2.04	7	18	8	5	s.
1905	73.4	99	42	5.70	13	12	9	10	sw.
1906	70.7	99	30	3.00	7	17	6	8	sw.
1907	70.8	96	41	4.51	10	11	12	8	sw.
1908	71.8	96	36	2.92	7	16	11	4	sw.
1909	69.5	100	35	4.26	8	14	12	5	sw.
1910	69.8	99	40	4.03	8	15	10	6	sw.
1911	72.6	106	35	0.65	3	20	8	3	ne.
1912	72.4	101	43	4.08	9	16	6	9	sw.
1913	71.7	101	38	2.13	6	19	6	6	sw.
1914	72.1	105	42	0.83	3	18	10	3	sw.
1915	73.0	98	46	7.20	11	11	11	9	w.
1916	73.8	103	42	2.44	5	20	7	4	sw.
Period	71.6	106	30	3.47	8	15	10	6	sw.

Daily Temperatures for May, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	83	82	85	86	83	91	95	98	95	93	98	91	87	88	83	90	81	82	79	87	92	85	79	86	88	96	99	92	95	92	86	88.6
	Minimum	53	52	59	64	60	58	60	60	65	63	67	68	69	66	67	68	59	58	59	55	58	60	70	64	65	67	68	67	72	72	67	63.2
Beaufort	Maximum	78	78	78	80	87	90	...	93	95	86	84	85	88	85	80	72	90	82	...	...	...	...	...	...	...	87	91	87	88	88	88	[b] 85.2
	Minimum	48	58	60	64	69	63	...	66	66	66	70	70	69	68	67	78	70	51	...	...	...	...	...	...	...	60	71	70	72	74	67	[b] 66.0
Blackville §§	Maximum	86	87	86	87	88	95	98	102	100	88	101	95	93	92	82	93	85	84	85	94	96	85	78	89	93	101	102	100	97	89	90	92.0
	Minimum	51	51	56	64	54	55	56	57	66	62	66	65	68	63	64	66	57	58	54	54	57	59	70	63	62	65	68	69	69	72	63	61.4
Bowman	Maximum	80	81	82	83	84	92	96	99	98	95	96	88	87	88	80	85	90	80	81	88	92	84	81	84	95	96	101	94	93	87	86	88.6
	Minimum	42	45	47	50	52	55	60	61	62	60	58	60	64	65	61	65	60	42	46	48	50	60	61	62	65	66	70	70	69	67	59	58.1
Centenary	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	84	88	81	76	80	84	94	96	90	93	92	83	....
	Minimum	42	50	51	65	58	48	52	56	61	50	68	64	58	61	66	68	61	47	57	53	56	62	67	66	66	62	67	66	68	67	64	59.6
Charleston	Maximum	74	78	79	80	84	84	90	89	89	78	82	80	79	78	79	87	80	81	73	76	82	78	75	81	80	86	86	81	86	87	85	81.5
	Minimum	56	60	65	68	63	61	66	68	69	66	71	71	69	71	69	70	65	61	63	67	67	73	67	68	67	67	72	74	74	69	68	67.3
Cheraw §§	Maximum	82	83	81	81	81	89	94	95	88	91	98	88	86	89	81	80	74	79	78	83	86	79	73	80	85	94	99	95	93	89	82	85.7
	Minimum	52	60	58	62	58	54	60	64	70	56	70	70	64	62	65	68	56	52	53	58	64	62	67	65	60	64	68	70	71	72	63	62.5
Conway §§	Maximum	81	84	79	79	81	83	84	86	93	86	85	78	78	76	72	78	77	75	74	78	81	76	76	79	80	86	85	82	83	85	79	80.6
	Minimum	45	54	54	65	61	51	56	59	63	53	63	67	59	63	61	68	63	50	59	55	59	62	69	67	65	63	68	70	70	73	65	61.3
Darlington §§	Maximum	84	85	83	84	86	91	96	98	92	94	98	91	89	89	77	86	79	81	81	87	92	81	75	82	87	97	99	94	92	89	87	87.9
	Minimum	44	54	55	64	57	50	54	56	61	50	68	66	59	61	63	68	58	48	56	53	57	63	64	67	60	64	67	65	72	73	62	60.0
Dillon	Maximum	84	81	...	...	83	89	95	...	97	92	96	...	89	87	74	82	...	...	78	83	85	76	75	77	84	93	90	92	92	89	81	[f] 85.9
	Minimum	45	42	...	...	57	49	54	...	58	51	70	...	58	63	69	68	...	...	49	64	57	60	68	64	65	63	67	70	72	66	63	[f] 60.5
Ferguson §§	Maximum	76	73	83	83	75	82	90	93	96	63	93	95	93	91	93	74	85	78	80	80	86	91	88	86	88	85	95	99	94	94	90	87.2
	Minimum	46	47	54	54	51	51	...	62	59	56	57	...	...	65	66	68	63	48	48	...	...	...	...	...	...	68	72	...	75	75	...	[k] 59.2
Florence 1 §§	Maximum	87	86	83	78	87	92	98	101	95	94	97	90	91	92	74	84	76	80	80	86	91	83	76	80	89	97	101	96	94	88	84	88.1
	Minimum	47	55	57	61	60	52	57	59	65	54	68	64	60	62	64	68	59	50	56	54	59	62	65	67	61	64	69	68	72	73	64	61.2
Georgetown	Maximum	80	80	80	83	88	88	94	93	93	88	89	82	85	80	86	83	77	82	80	85	90	80	80	80	83	92	91	88	90	90	90	85.5
	Minimum	46	55	60	67	63	53	64	64	64	57	72	71	67	66	70	72	64	51	59	58	58	69	72	66	66	63	68	69	70	74	69	64.1
Kingstree §§	Maximum	83	84	82	83	84	94	95	98	92	93	96	85	88	86	74	84	78	82	79	86	91	84	77	82	87	95	99	93	95	92	84	87.3
	Minimum	45	51	53	60	59	51	56	63	62	56	62	68	62	63	66	68	60	48	56	53	56	63	67	66	62	63	67	67	70	72	64	60.6
Mayesville (near)	Maximum	85	85	86	85	85	90	97	98	93	94	98	94	89	90	84	87	82	81	79	86	90	85	80	83	86	95	99	92	94	89	84	88.5
	Minimum	43	47	53	64	54	49	51	58	55	50	67	61	63	60	64	62	58	48	54	52	55	65	67	67	59	62	64	66	69	66	61	58.5
Oaks	Maximum	83	83	82	84	83	89	92	97	92	89	94	83	85	85	74	83	75	80	77	84	88	80	78	79	83	91	94	90	90	91	...	[a] 85.3
	Minimum	42	49	50	64	50	50	53	57	59	51	68	69	60	61	65	68	60	46	58	57	55	61	66	65	64	60	64	67	66	69	...	[a] 59.1
St. George §§	Maximum	85	85	83	85	86	93	96	98	97	95	97	87	88	89	78	89	92	82	81	88	94	84	75	83	87	97	100	93	95	92	86	88.7
	Minimum	52	55	60	65	59	54	59	61	63	62	69	68	66	67	65	67	60	55	58	57	59	67	74	68	61	65	69	69	72	72	65	63.3
St. Matthews §§	Maximum	86	88	87	87	88	96	99	103	97	96	101	90	88	89	80	90	83	86	80	88	95	85	75	87	88	98	103	96	97	94	85	90.5
	Minimum	53	55	56	61	56	54	60	63	63	55	63	63	67	62	64	67	57	52	58	54	61	67	70	65	61	65	70	71	72	72	62	61.9
Society Hill §§	Maximum	85	86	83	85	83	93	97	97	90	95	100	89	88	90	78	83	78	82	...	86	89	83	76	82	88	97	102	97	96	90	84	[a] 81.7
	Minimum	47	54	56	62	57	49	57	55	61	48	62	65	59	60	62	66	56	52	54	...	51	62	62	65	60	63	67	65	71	72	62	[a] 59.4
Summerville	Maximum	80	81	79	81	87	89	92	96	92	89	89	82	87	86	77	86	81	78	77	85	89	80	75	83	85	92	93	89	90	89	85	85.3
	Minimum	47	52	55	66	59	52	58	64	64	61	69	69	67	66	67	68	62	54	59	59	57	64	66	67	62	63	67	68	69	69	65	62.4
Walterboro	Maximum	82	81	80	84	84	90	82	98	92	93	94	89	88	78	88	85	77	73	84	93	84	76	82	87	95	91	88	91	90	82	80	85.8
	Minimum	46	51	56	63	57	...	56	60	61	62	67	68	65	67	68	62	51	59	56	56	65	65	64	61	63	68	67	70	69	65	...	[b] 61.7
Yemassee §§	Maximum	80	81	83	85	84	90	94	97	96	89	93	90	89	87	80	91	82	81	78	86	90	72	80	86	87	94	95	90	91	88	88	87.0
	Minimum	46	48	55	60	55	49	52	60	61	60	61	64	66	62	65	66	58	48	49	56	53	60	65	61	59	60	52	64	66	69	64	58.8
Western Portion.																																	
Aiken	Maximum	81	85	79	87	89	91	92	94	91	93	92	93	87	88	85	90	81	82	80	87	91	88	80	85	89	96	101	96	91	89	87	88.4
	Minimum	49	51	57	64	49	50	55	59	63	64	63	64	66	62	61	62	51	54	52	55	59	66	65	62	62	63	69	...	...	...	...	[d] 59.1
Anderson	Maximum	83	84	81	83	84	90	95	96	93	94	99	89	92	89	85	85	82	73	82	88	94	83	78	85	90	95	99	94	93	82	85	87.9
	Minimum	53	55	60	61	52	59	56	60	63	58	61	67	65	63	61	62	50	54	49	53	59	59	64	60	64	65	66	67	65	67	58	59.9
Batesburg §§	Maximum	81	82	81	83	82	88	92	94	93	94	96	89	87	82	81	87	79	78	78	85	90	83	76	78	84	93	96	94	90	85	83	85.9
	Minimum	52	55	58	61	52	56	60	62	66	58	63	66	66	65	64	64	55	56	51	56	60	66	66	65	62	64	64	67	69	70	63	61.5
Camden §§	Maximum	84	84	83	84	85	90	96	98	93	93	99	91	88	89	82	88	80	82	82	90	84	86	75	86	90	100	99	96	95	89	...	[a] 60.6
	Minimum	51	50	58	59	55	50	57	58	...	51	67	65	65	66	64	65	58	55	54	54	56	65	66	67	62	62	65	66	72	72	64	[a] 60.6
Clemson College	Maximum	77	76	77	77	78	82	86	86	85	84	90	85	85	85	82	81	77	74	75	80	85	85	74	83	84	89	91	86	84	78	80	82.0
	Minimum	47	50	58	62	51	53	53	60	64	54	58	68	68	67	65	64	54	54	50	52	57	62	67	62	65	66	79	68	66	68	60	60.4
Columbia	Maximum	82	84	81	82	83	88	93	96	92	94	98	89	86	87	80	88	78	80	78	85	90	83	74	85	92	98	99	96	92	87	85	87.3
	Minimum	56	58	62	66	58	60	61	66	70	60	70	70	68	65	65	66	60	56	56	58	63	68	70	68	65	67	73	70	72	70	63	64.5
Greenville §§	Maximum	83	84	79	83	84	91	97	96	91	90	99	90	91	88	88	88	80	78	81	88	94	68	79	89	91	98	100	94	92	82	85	87.8
	Minimum	45	50	56	59	46	50	51	57	60	50	60	65	67	65	61	64	53	49	48	52	54	59	60	58	62	61	62	64	62	67	57	57.2
Greenwood §§	Maximum	82	82	79	81	81	88	92	93	93	94	98	90	88	85	85	87	78	78	79	85	90	79	80	85	87	93	97	94	91	84	85	86.5
	Minimum	50	54	57	60	51	54	58	63	67	65	67	68	68	63	61	64	52	55	53	55	62	64	61	63	64	66	70	69	70	71	61	61.5
Heath Spring	Maximum	81	80	80	80	82	90	92	97	89	91	73	87	83	84	80	80	81	84	73	83	85	79	70	75	84	95	100	95	90	83	84	84.2
	Minimum	53	57	59	59	53	57	58	61	69	55	67	67	63	62	61	61	60	54	53	53	61	61	67	64	58	64	63	66	70	72	61	60.9
Kershaw	Maximum	83	83	81	81	83	89	92	96	91	93	98	88	85	87	81	84	76	79	79	81	89	82	74	84	90	98	102	96	94	86	85	86.9
	Minimum	50	56	57	61	53	55	54	59	65	53	66	68	64	62	60	66	55	52	53	53	59	62	62	64	60	63	69	74	70	72	62	60.6
Landrum	Maximum	82	82	78	82	82	88	92	94	87	89	97	86	90	83	82	83	74	76	77	82	88	82	70	86	88	95	96	92	89	78	81	84.9
	Minimum	43	53	56	60	55	59	55	59	69	43	60	60	64	62	58	62	54	45	47	49	49	58	59	60	60	63	68	62	59	60	61	57.2
Liberty	Maximum	83	83	79	81	85	92	95	98	92	94	98	91	92	89	87	84	75	75	80	88	91	83	79	86	91	95	97	96	90	80	84	87.5
	Minimum	54	54	59	63	64	57	55	64	63	53	60	68	68	67	63	62	56	51	53	57	60	60	67	61	63	64	64	70	63	68	56	60.9
Little Mountain	Maximum	82	83	82	81	81	88	91	97	92	94	98	90	89	85	83	88	79	80	80	80	90	84	76	84	89	97	101	96	92	88	86	87.3
	Minimum	54	51	50	63	54	60	60	62	69	61	68	68	67	65	62	66	56	59	52	55	58	67	64	64	64	67	72	62	70	70	61	62.0
Meriwether	Maximum	86	86	83	87	86	91	97	98	97	99	102	92	91	91	85	91	...	...	83	91	95	84	85	88	93	99	102	95	96	89	90	[b] 91.4
	Minimum	53	54	60	63	53	51	54	59	65	58	67	66	68	63	64	...	53	...	53	54	61	68	66	64	64	65	67	68	68	68	62	[b] 61.3
Monetta	Maximum	82	83	81	84	83	88	91	95	93	95	98	92	88	88	82	88	79	79	80	87	92	85	77	83	88	97	101	94	91	86	86	87.7
	Minimum	53	55	60	63	55	...	59	62	70	60	65	64	68	64	63	65	54	56	52	55	61	67	69	65	63	65	70	68	70	69	64	[a] 62.5
Mountain Rest	Maximum	77	75	74	76	78	83	89	89	89	84	92	93	84	80	82	82	72	72	72	81	84	80	76	83	84	90	92	87	83	76	81	81.6
	Minimum	44	49	53	58	42	53	58	63	64	51	56	59	63	61	59	56	52	47	44	47	52	56	63	55	58	59	58	58	57	62	53	55.2
Newberry	Maximum	84	85	83	85	85	91	95	97	92	95	101	91	88	88	82	90	80	81	81	88	92	84	79	86	92	99	102	97	94	89	88	89.2
	Minimum	51	54	62	60	50	53	54	60	64	54	68	70	67	62	62	67	53	51	53	54	60	67	68	63	63	65	67	68	68	68	62	60.9
Saluda	Maximum	83	89	82	84	85	91	95	97	94	94	101	92	89	88	85	91	80	80	83	87	92	82	81	86	91	99	100	95	92	87	87	89.1
	Minimum	47	53	61	60	46	48	49	53	57	47	66	65	66	62	60	66	48	47	50	51	58	56	67	64	61	62	63	67	68	71	57	57.9
Santuck	Maximum	83	84	81	83	84	90	96	96	91	94	100	90	90	89	85	88	80	81	83	88	93	80	79	86	91	98	101	97	94	84	84	88.5
	Minimum	50	54	61	59	51	51	52	61	67	53	68	66	67	63	57	66	57	51	51	52	57	65	64	63	62	65	66	68	68	67	60	60.1
Spartanburg §§	Maximum	84	84	80	82	85	90	94	96	90	93	100	89	92	89	86	88	76	78	82	88	92	69	75	87	90	96	100	95	92	80	82	87.2
	Minimum	47	51	54	60	48	52	52	51	64	52	59	65	64	65	59	65	55	50	51	53	57	64	63	61	65	64	65	67	64	66	60	58.5
Trenton	Maximum	82	82	81	84	82	86	92	94	93	95	98	92	89	89	83	88	78	77	79	88	92	82	80	85	89	97	100	93	91	86	85	87.5
	Minimum	53	55	59	63	54	56	58	64	63	62	66	64	67	63	62	64	54	56	53	54	55	67	65	63	63	63	77	66	67	63	63	61.4
White Oak	Maximum	85	86	83	84	84	89	95	97	92	95	100	91	89	89	83	90	79	81	85	88	92	83	77	85	91	99	102	99	95	88	81	89.0
	Minimum	52	55	60	61	54	58	61	64	68	56	67	67	64	63	60	65	56	55	54	53	61	63	68	65	61	65	69	66	69	71	62	61.7
Winthrop College	Maximum	78	80	80	82	81	90	93	94	91	91	98	95	87	87	84	85	75	74	78	84	87	87	72	84	89	94	95	98	90	87	83	86.2
	Minimum	57	55	60	62	54	55	67	61	69	53	67	63	63	64	64	65	56	53	55	55	59	62	64	63	62	64	64	67	70	67	61	61.3

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.
Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
NO RAIN
Statute Miles
Kilometers
F

UNIVERSITY OF ILLINOIS

-1.05
NSC
Stack

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

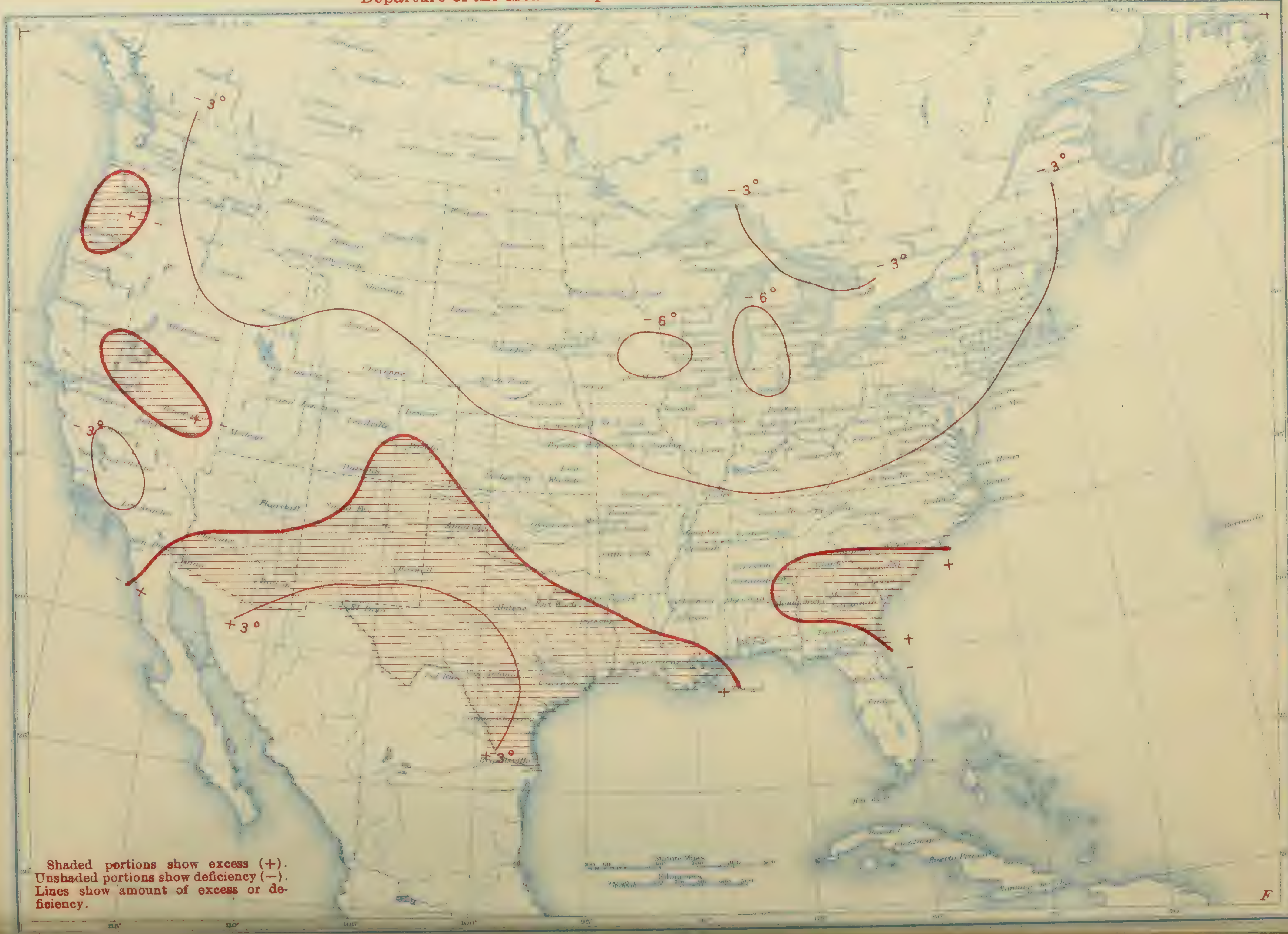
SOUTH CAROLINA SECTION

JUNE, 1916

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
July 28, 1916.

Departure of the Mean Temperature from the Normal, June, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (–).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

Vol. XIX. Columbia, S. C., June, 1916. No. 6.

GENERAL SUMMARY.

Rainfall during June averaged somewhat above normal and was well distributed as to area, but the amounts ranged from abnormally high to abnormally low over various portions of the Section. Thermal conditions showed no marked extremes. Dry weather of more or less intensity continued over portions of the upper coastal plain until the last decade, when the drought was effectively broken. Semi-drought continued over a small area of the upper Savannah and upper Saluda watersheds. However, the rains were of sufficient quantity to greatly improve all vegetation. Cotton, which was very slow and irregular in germinating, due to insufficient moisture and persistent cool nights, finally came to good stands, but the crop as a whole was ragged and in various stages of advancement. Corn withstood the drought well and was coming into roasting ear northward over the central counties by the close of the month. Tobacco, though backward, was greatly improved, and curing began during the last week. Field truck, gardens, and pastures were rapidly coming into prime condition. Native peaches of fine quality were being marketed, and wild small fruits were plentiful. Stubble lands were being turned to corn, cow peas, sweet potatoes, and peanuts at the close of the month.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 29.94 inches. The highest pressure in the region covered by reports was 30.18 inches at Wilmington, N. C., on the 2d, and in the Section proper, 30.16 inches at Charleston on the same date; lowest pressure, 29.57 inches at Asheville, N. C., on the 6th, and in the Section proper, 29.64 inches at Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 44 stations, was 76.4°, or 1.2° below the established normal. The highest temperature was 100° at Blackville, Barnwell Co., on the 22d. The warmest periods of the month were generally between the 20th and 24th, on the 29th and 30th, and at a few stations of the eastern portion from the 10th to the 12th. The lowest temperature was 48° at Mountain Rest, Oconee Co., on the 9th. The coolest periods of the month were on the 1st and 2d and about the 9th and 10th.

HUMIDITY.

The mean relative humidity, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 80%; 8 p. m., 70%. The highest percentages occurred over the northeastern coast districts, and the lowest, over the north-central counties.

PRECIPITATION.

The average for the Section, 59 stations reporting, was 5.12 inches, or 0.09 inches above the established normal. While there were three fairly well defined wet periods, intermittent showers occurred in some part of the Section every day after the 1st. The distribution of rainfall was very irregular, wet and relatively dry belts alternating from the coast as follows: 5 to over 9 inches over the major portion of the coast counties; less than 4 inches over the upper coastal plain; 5 to over 9 inches over the lower Piedmont; 4 to less than 2 inches over the middle Piedmont, and 5 to 7 inches over the extreme northwestern counties. The greatest local monthly amount was 9.75 inches at Charleston; least amount, 1.76 inches at Calhoun Falls, Abbeville Co. The greatest 24-hour amount at any station was 4.69 inches at Kershaw, Kershaw Co., on the 14th and 15th. The average number of rainy days was 10% above the normal.

WIND.

The prevailing winds were from the southwest. The average hourly velocity, determined from 7 anemometer records, was 7.7 miles. The highest average velocity in the region covered by reports was 10.3 miles per hour at Savannah, Ga.; lowest average, 5.5 miles per hour at Augusta, Ga. In the Section proper the average velocities were 9.5 miles per hour at Charleston and 7.0 miles per hour at Columbia. The highest velocity for any 5-minute period was 72 miles per hour from the west at Charlotte, N. C., on the 20th, and in the Section proper, 38 miles per hour from the northwest at Charleston on the 7th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 271.2 hours, or 63% of the possible amount. The average number of clear days was 12; partly cloudy, 11, and cloudy, 7, as against 12, 11, and 7 days, respectively.

RIVER CONDITIONS.

The Santee River was slightly above flood at Rimini and Ferguson between the 18th and the 23d, and sharp rises occurred in the Great Pee Dee River at Cheraw on the 8th and 17th and in the Wateree River at Camden on the 17th. The Black and Edisto rivers were unusually low. Otherwise, moderate stages of water prevailed in the remaining rivers of the Section.

MISCELLANEOUS PHENOMENA.

Earthquake (*date*).—Summerville, 25th, 7:04 a.m.; two distinct bumps, attended by rumbling sounds before and with shocks.

Fogs, dense (*dates*).—Camden, 29; Charleston, 5; Cheraw, 23, 29; Columbia, 29; Darlington, 23; Mayesville (near), 25, 29; Rimini, 5, 23; Santuck, 5; Smiths Mills, 23; Society Hill, 12.

Hail (*dates*).—Aiken, 6; Anderson, 6; Cheraw, 3; Greenville, 6; Liberty 19; Monetta, 6; Newberry, 6; Walhalla, 14; White Oak, 3; Winthrop College, 3, 23.

Halos (*dates*).—*Lunar:* Columbia and Society Hill, 11. *Solar:* Columbia, 18; Walhalla, 20.

MISCELLANEOUS DATA FOR JUNE, 1916.

Stations.	Barometer—sea level.	Temperature—degrees Fahr.			Precipitation—inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity—miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C.	29.93	67.8	88	48	5.15	1.10	5.7	nw.	84	67	47
Augusta, Ga.	29.93	78.2	95	60	7.41	2.78	5.5	s.	79	67	68
Charleston, S. C.	29.96	78.0	92	67	9.75	3.97	9.5	s.	75	77	66
Charlotte, N. C.	29.92	74.2	93	58	5.55	2.76	8.8	sw.	80	65	76
Columbia, S. C.	29.94	78.0	93	62	4.15	1.84	7.0	w.	77	62	57
Savannah, Ga.	29.96	78.9	95	66	2.44	0.76	10.3	sw.	80	75	62
Wilmington, N. C.	29.95	75.2	92	58	6.73	3.11	7.1	sw.	82	79	65
Means and extremes	29.94	75.8	95	48	5.88	3.97	7.7	sw.	80	70	63

Climatological Data for June, 1916.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on. (0.01 in. or more)	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	27	79.4	0	96	24	60	† 2	29	4.13	−1.27	1.15	0	9	15	9	6	s.	R. B. Vance.
Beaufort	Beaufort	21	29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Miss Lillian H. Rice.
Blackville	Barnwell	296	27	79.5	−0.2	100	22	58	9	34	5.05	−0.57	1.70	0	9	16	5	9	...	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	15	77.3	−0.7	95	† 11	57	† 1	35	3.72	−2.02	1.20	0	9	20	9	1	sw.	B. O. Evans.
Centenary	Marion	43	1	76.4	...	97	30	54	2	37	2.98	...	1.00	0	12	4	18	8	se.	D. L. Carmichael.
Charleston	Charleston	48	45	78.0	−0.5	92	12	67	7	23	9.75	+4.36	3.97	0	12	7	13	10	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	26	74.8	−2.5	91	† 3	55	1	32	8.46	+3.13	2.00	0	13	...	...	...	...	J. H. Powe.
Conway	Horry	25	30	73.8	−3.3	90	10	57	2	23	5.21	+0.14	2.12	0	10	8	3	19	w.	Paul Quattlebaum.
Darlington	Darlington	175	21	76.4	−0.5	[a] 92	† 24	55	1	32	5.01	−0.72	1.73	0	9	8	3	19	...	D. C. McCall.
Dillon	Dillon	100	13	75.6	−1.5	93	† 24	56	† 2	33	4.97	−1.53	1.84	0	10	...	...	...	...	A. E. Rowell.
Edisto ‡‡	Bamberg	143	28	...	...	...	...	...	...	...	3.77	−2.82	1.14	0	9	...	...	...	...	Nathan Jenkins.
Effingham	Florence	106	23	...	...	...	...	...	...	...	3.64	−2.71	1.22	0	9	...	...	...	...	H. B. McCall.
Ferguson	Orangeburg	63	30	78.4	+1.3	93	24	58	5	30	5.25	−0.59	1.43	0	12	...	...	...	...	Joseph P. Simons.
Florence 1	Florence	136	27	77.2	−1.7	95	24	58	† 1	31	3.76	−1.65	0.91	0	10	14	4	12	sw.	H. K. Gilbert.
Florence 2	do	136	1	...	...	...	...	...	...	...	3.67	−1.74	0.90	0	6	4	25	1	s.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	21	76.6	−2.0	93	30	55	† 3	33	9.19	+3.30	2.25	0	10	9	17	4	...	A. P. Hazard.
Kingstree	Williamsburg	54	27	77.2	−1.1	95	24	56	† 1	32	4.57	−0.77	1.35	0	8	14	3	13	w.	A. O. Matthews.
Mayesville (near)	Sumter	70	1	76.8	...	96	30	54	1	38	2.63	...	1.13	0	11	14	6	10	s.	Lewis E. Warren.
Oaks ††	Georgetown	...	1	77.8	...	93	† 6	53	2	37	6.54	...	1.54	0	16	1	18	11	s.	O. M. Mitchell.
Pinopolis **	Berkeley	54	66	74.3	−2.3	88	24	61	2	...	7.81	+1.88	1.91	0	12	10	8	12	sw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	6	...	...	...	...	...	...	...	4.12	...	1.70	0	13	...	...	...	...	William B. Wolfe.
St. George	Dorchester	109	27	78.4	−0.3	97	24	60	† 1	32	4.80	−0.63	1.61	0	12	9	10	11	sw.	R. S. Weeks.
St. Matthews	Calhoun	269	27	78.9	+1.1	97	11	58	1	34	5.76	−0.21	1.32	0	9	11	17	2	ne.	J. S. Wannamaker.
Smiths Mills	Georgetown	62	20	...	...	...	...	...	...	...	5.03	−0.71	1.43	0	11	...	...	...	...	W. G. Walker.
Society Hill	Darlington	192	24	76.1	−1.0	97	24	55	1	33	6.97	+1.14	1.41	0	12	13	6	11	w.	T. S. Lucas.
Summerville	Dorchester	75	18	77.0	−0.4	94	† 11	58	2	31	9.15	+3.39	2.56	0	14	6	23	1	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	13	[1] 77.4	−1.0	[a] 95	11	[b] 58	2	[b] 29	4.54	−1.64	0.76	0	14	10	12	8	...	J. A. Westerberg.
Whitehall (near)	do	4	...	...	...	...	...	...	...	...	6.62	...	1.78	0	14	18	8	4	s.	Special Rice Exp. Station.
Yemassee	Hampton	24	20	76.2	−2.6	95	22	54	2	32	7.01	+0.83	1.70	0	10	11	15	4	s.	J. G. Hutson.
Division means and	extremes			77.0	−1.0	100	22	53	† 2	38	5.50	−0.06	3.97	0	11	11	10	9	sw.	
Western Portion.																				
Aiken	Aiken	527	55	[b] 77.9	−1.1	95	23	[b] 59	9	[b] 31	6.30	+1.58	1.08	0	14	19	6	5	sw.	W. M. Brown.
Anderson	Anderson	764	20	76.0	−0.4	97	† 22	54	9	35	2.34	−2.35	0.90	0	12	19	0	11	w.	H. H. Russell.
Batesburg	Lexington	656	27	76.0	−1.8	93	23	57	1	28	4.31	−0.77	1.12	0	7	20	5	5	s.	E. J. Hite.
Blairs	Fairfield	293	13	...	...	...	...	...	...	...	5.78	+0.74	2.51	0	11	...	...	...	...	J. N. Owens.
Calhoun Falls	Abbeville	508	23	...	...	...	...	...	...	...	1.76	−3.11	0.88	0	7	...	...	...	...	L. M. Parker.
Camden	Kershaw	222	56	[a] 77.0	+0.9	[a] 95	21	[a] 55	9	[a] 35	6.43	+1.90	1.76	0	11	12	13	5	sw.	W. C. Brown.
Catawba	York	562	12	...	...	...	...	...	...	...	3.92	−1.51	0.84	0	9	...	...	...	...	James C. Faris.
Chappells	Newberry	402	12	...	...	...	...	...	...	...	4.48	+0.20	2.00	0	10	...	...	...	...	J. J. Murran.
Clemson College	Oconee	850	24	73.8	−2.0	89	29	55	† 9	25	4.85	−0.09	1.23	0	11	17	8	5	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	29	78.0	−0.2	93	30	62	1	28	4.15	−0.03	1.84	0	11	7	12	11	w.	U. S. Weather Bureau.
Edgefield	Edgefield	...	2	...	...	...	...	...	...	...	4.78	...	1.90	0	6	...	...	...	...	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	3	...	...	...	...	...	...	...	6.99	+1.72	2.62	0	9	...	...	...	...	Harry A. Parshall.
Greenville	Greenville	989	23	74.8	+0.8	97	29	51	† 9	37	3.75	−1.46	0.91	0	11	12	13	5	sw.	J. H. Woodside.
Greenwood	Greenwood	671	27	75.8	−2.2	94	23	52	9	33	3.63	−0.67	1.26	0	9	18	0	12	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	15	74.3	−2.8	93	20	57	1	33	4.14	−1.57	0.95	0	11	3	26	1	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	...	76.0	...	94	6	56	5	35	9.19	...	4.69	0	12	22	4	4	se.	John W. Hamel.
Landrum	Spartanburg	1063	1	72.8	...	95	29	50	10	33	4.43	...	1.88	0	10	17	10	3	...	R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	17	75.7	−0.6	95	29	53	9	34	4.29	−1.11	0.70	0	16	9	20	1	sw.	John T. Boggs.
Little Mountain	Newberry	711	23	77.6	−0.3	96	29	59	1	31	3.23	−1.38	2.06	0	8	15	11	4	s.	J. M. Sease, M. D.
Meriwether	Edgefield	450	13	...	...	[1] 98	30	[1] 56	† 9	[1] 35	3.31	−1.42	1.39	0	5	...	...	...	...	William S. Middleton.
Monetta	Saluda	400	9	77.3	...	94	† 22	60	† 1	30	6.90	...	1.70	0	12	6	22	2	sw.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	...	69.9	...	88	29	48	9	31	7.12	...	1.80	0	14	18	7	5	...	J. H. Brown.
Newberry	Newberry	502	13	77.2	−0.7	96	† 29	53	9	38	5.86	+1.50	2.92	0	10	3	20	7	sw.	Warren G. Peterson.
Pelzer	Anderson	850	12	...	...	...	...	...	...	...	2.52	−2.00	1.34	0	10	...	...	...	...	Joshua Y. Jones.
Saluda	Saluda	536	15	76.8	−1.2	95	30	51	9	39	4.69	−0.33	1.95	0	10	25	3	2	s.	Mrs. F. V. J. Maxwell
Santuck	Union	512	23	76.3	−0.4	98	30	53	9	36	3.59	−0.64	1.50	0	10	10	16	4	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	13	75.2	−0.9	95	29	52	9	33	4.29	−0.90	1.12	0	9	...	...	...	...	F. P. Robinson.
Trenton	Edgefield	620	27	[b] 76.8	−1.7	[b] 94	† 22	[b] 60	9	[1] 31	3.97	−0.70	2.42	0	5	12	16	2	sw.	Mrs. S. E. Long.
Walhalla	Oconee	1061	13	...	...	...	...	...	...	...	4.57	−0.63	0.95	0	16	5	23	2	sw.	H. W. Brandt.
White Oak	Fairfield	548	...	77.0	+0.3	97	30	58	1	33	4.67	−0.07	1.82	0	13	11	13	6	sw.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	17	74.6	−1.4	94	29	56	9	30	7.57	+2.19	2.10	0	11	10	20	0	sw.	W. P. Goodman.
Division means and	extremes			75.8	−1.0	98	30	48	9	39	4.76	−0.38	4.69	0	10	13	12	5	sw.	
State means and ex	tremes			76.4	−1.2	100	30	48	9	39	5.12	+0.09	4.69	0	11	12	11	7	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for June, 1916.

Stations.	Watershed.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ‖‖	Savannah					1.15		.32	.05	T.				T.				T.			.05	.75					.06	.95	.05		.75		4.13
Beaufort	Coast																																
Blackville ‖‖	Edisto				.68			.45										.52				.15			.20		.40	.10	1.60		.95		5.05
Bowman	do				.30		T.	.60				T.				.20	.10			.12						1.20		.10	T.	.08	1.02		3.72
Centenary	Pee Dee				T.		.13	1.00	.02			.08	T.		.09	.17	T.	.73		.27	T.	T.				.30	.05	.12	.04	T.			2.98
Charleston ***	Coast			T.	.43			.13	.02			.09	T.			2.50	T.	.20			T.	T.				.33	.71	3.47	.50	.20	1.17		9.75
Cheraw ‖‖	Pee Dee				.38			.88			.07		.17	.54		1.44	.65	2.00			.19	1.21	.10			.53	.30	T.					8.46
Conway ‖‖	Waccamaw					T.		.93				T.	.20				.15	.16	.15		T.	2.00	.12				.60	.40		T.	.50		5.21
Darlington ‖‖	Pee Dee							1.73					T.	.05		.26	.68	1.25			.27	T.					.70	.04	.03				5.01
Dillon	Little Pee Dee		.28				.60		T.		T.	.01	T.			1.84		.60		.29					T.	.78	.01	.18	.38		T.		4.97
Edisto ‖‖	Edisto				.02	.68		.62						.17			.21					.71						.85	.29		.22		3.77
Effingham ‖‖	Lynches							.69				.09	.22	.07		.21	1.22	.54			.24						.36						3.64
Ferguson ‖‖	Santee					.10		.80					T.	.05		.50	.31	.03			.48	.10					1.43	.07	.10		1.28		5.25
Florence 1 ‖‖	Pee Dee					T.		.91				T.	.11	T.		.04	.32	.60			.77	.08					.68	.04		.21	T.		3.76
Florence 2	do						T.	.90							T.	.55	.50			.70	.16					.86	T.				T.		3.67
Georgetown	Coast				.15			1.05				.48	T.			1.30					T.					.75	1.75	2.25	.35	.30	.81		9.19
Kingstree ‖‖	Black					.15		1.35									.77	.35								1.08	.67		.15	.05			4.57
Mayesville (near)	do				.01		.02	.68				T.	.01		.10	1.13		.39		.03						.23	.01	.02		T.	T.		2.63
Oaks	do				.10			.67				.02	.30			.88	.01	.70	.02	.03		.06				1.06	1.54	.04	.01	.10	1.00		6.54
Pinopolis	Cooper						.83								.16	1.25	.44				.13	.13				.18	.10	1.34	.18	1.91	1.15		7.81
Rimini ‖‖	Santee				.05	.12	.09	1.31	.01			.01				.01	.22	.51									1.70	.04		.01	.04		4.12
St. George ‖‖	Edisto					.73		.21	.01							.44	.62	.02			.04	.02					1.61	.01	1.06		.03		4.80
St. Matthews ‖‖	Santee				.16			.95						.05		.20		1.41									1.32	1.03	.25		.39		5.76
Smiths Mills ‖‖	Pee Dee				.05			.95				.05	.40	T.			.47	.58	T.			T.				.07	1.43		.12	.03	.88		5.03
Society Hill ‖‖	do				.25			1.07				.02	.11			1.41	1.34	1.19			.20	.45				.11	.51	.31					6.97
Summerville	Ashley				.51			.31				T.	.03		T.	2.56	.14	.07			2.20	.02				.38	.50	.15	.29	1.94	.05		9.15
Walterboro	Ashepoo					.65		.58					.01	.08		.83	.02	.11			.65	.02				.76	.08	.38	T.	.03	.34		4.54
Whitehall (near)	Combahee				.70	.14		.83	T.					.23		.86	1.78	.10			.16	T.				.55	.14	.40	.01	.06	.66		6.62
Yemassee ‖‖	do					.71		.54					.10	T.		.32		1.02				1.45		T.			.18	1.07	.63		.99		7.01
Western Portion.																																	
Aiken	Edisto				.48			1.08	.03							.92	1.01	.81		.04					.66	.04	.08	.63	.07	.01	.44		6.30
Anderson	Savannah			.10			.90	.08			.10	.25	.05		.03	.15	.41				.08				.10	.09							2.34
Batesburg ‖‖	Edisto				T.			1.12			T.					.76	.34	.48			T.	T.			.61		.67		.33		T.		4.31
Blairs ‖‖	Broad						.02	.90	.03			.02			.04	1.20	2.51	.08			.50	.10			.38								5.78
Calhoun Falls ‖‖	Savannah							.88				.17	.03			.15		.04		T.		.41									.08		1.76
Camden ‖‖	Wateree							1.76	T.					.17	T.	.39	.81	.40				.74			.80	.60	.21	.07	.48				6.43
Catawba ‖‖	Catawba				.29		.60	.80	.04				.33			.33	.84	.47							.22								3.92
Chappells ‖‖	Saluda						.10	.70	T.	.05			T.			2.00	.55	.05			.12	.33				.40	.18						4.48
Clemson College	Savannah			T.			.68				.15	.40	.16		T.	.25	1.23			T.	.13		T.	.08	.01	1.22				.54			4.85
Columbia ***	Congaree				T.		1.84	T.	T.	T.	T.	.03	.01		.05	.90	.03				.08			.03	.95	.22		.01		T.	T.		4.15
Edgefield ‖‖	Savannah					.10		.70								1.90	.90	.18													1.00		4.78
Gaston Shoals ‖‖	Broad			T.	T.		1.95	.67				T.	1.02		T.	.61	1.10	.20			T.	.02	T.			.99	.43						6.99
Greenville ‖‖	Saluda				T.		.07	.91				.15	.15	.82		.46	.61	.18				T.				.06	.25				.09		3.75
Greenwood ‖‖	do						.15	.50	.03				.17			.90	.46									1.26	.13				.03		3.63
Heath Spring	Wateree						.80		.02				.14		.63	.95	.65				.04				.33	.33		.02			.13		4.04
Kershaw	Lynches				.06			.71	.02				.17			3.85	.84	.52			.09	.09			.29	1.32	1.23		T.				9.19
Landrum	Broad						1.88				.15		.81		.05	.94	.46				.03	.02			.07	.02							4.43
Liberty	Savannah		T.	T.			.20	.40			.10	.02	.32	.15	.20	.10	.50			.70	.10			.02	.04	.35	.39			.70			4.29
Little Mountain	Saluda						.53					.05			.05	2.01	.28				.10			.02		.19					T.		3.23
Meriwether	Savannah				.57			.71	T.						T.	1.39		.47								T.				.17			3.31
Monetta	Edisto			T.	.06		.04	.80	.02							1.34	.35	.54		.07	T.			.26		1.36		.36		1.70			6.90
Mountain Rest	Savannah			T.			1.80	.26			.10	.19	.64		.80	.66	.66				.28		.41		.53	.15	.51				.13		7.12
Newberry	Saluda				T.		.46		.04		T.		.03			2.92	.32				1.05			.21		.78		.02		.03	T.		5.86
Pelzer ‖‖	do						.12	1.22				.08	.10			.12	.34	.06				.04				.22	.22				T.		2.52
Saluda	do					.05		.88	.05		.10					1.95	.80			.07						.49		.15		.15			4.69
Santuck	Broad			.31			.94		T.		T.	.01			.41	1.50	.10				.01			.16	.10	.05							3.59
Spartanburg ‖‖	do				T.		.38	.80				T.	.13	T.	T.	1.12	.10	.37				T.	.20		T.	1.07	.03						4.29
Trenton	Edisto				.20			.85	T.			.20				2.42	.30			T.	T.												3.97
Walhalla	Savannah			T.			.95	.06			.15	.18	.37		.06	.18	.60				.03	.39		.13		.93	.17	.01	.13		.23		4.57
White Oak	Broad			.53			.19	.61	.04			.01	T.		.23	1.82	.01	.01		.30	.01					.04		T.			.87		4.67
Winthrop College	Catawba			.65			.92	1.06					.25		.40	2.10	.69	.10			.35			.55		.50							7.57

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR JUNE.

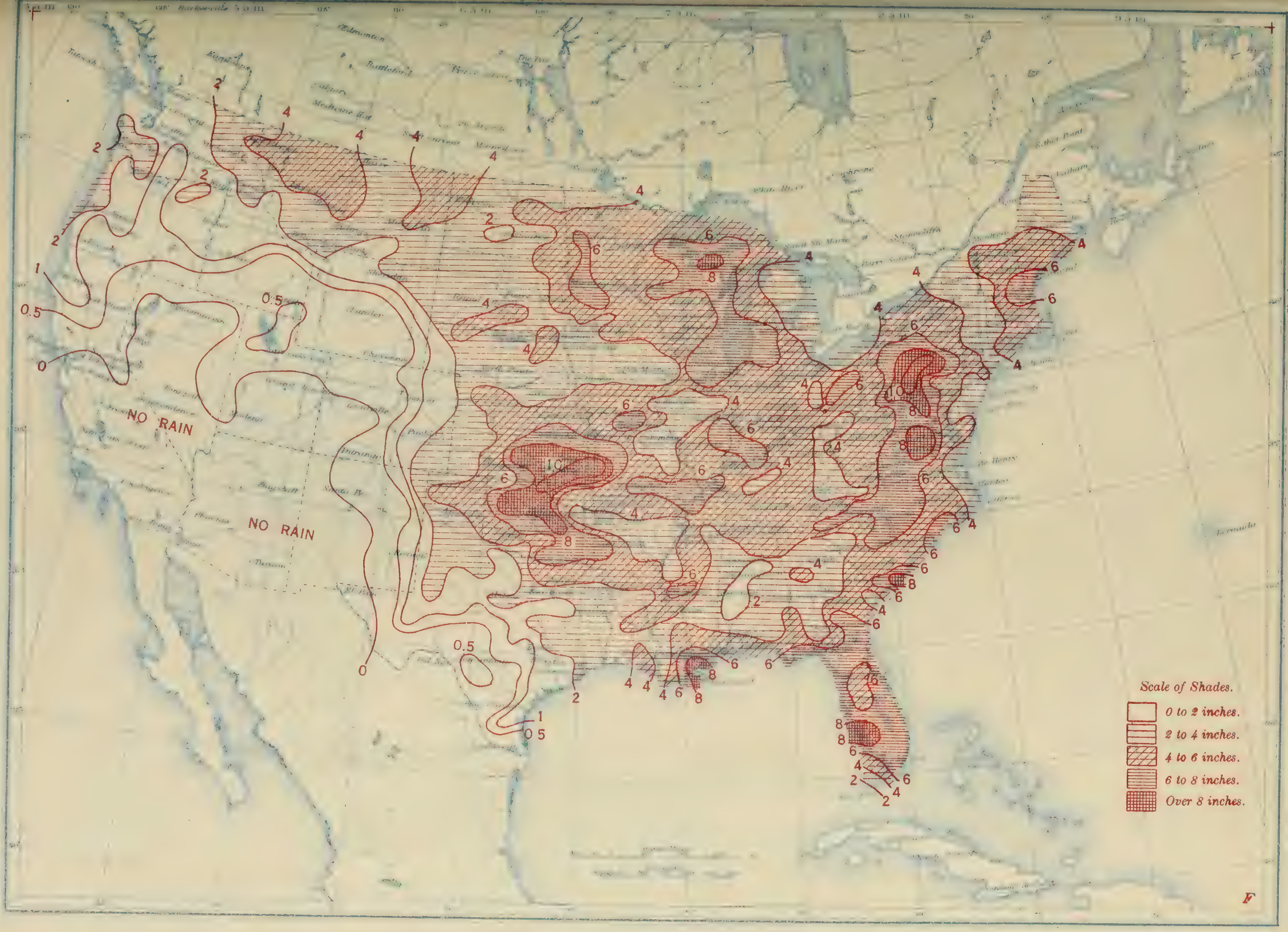
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	77.9	107	44	3.53	8				
1888	78.1	102	51	2.73	7				sw.
1889	74.4	99	39	5.10	10				se.
1890	80.9	103	56	2.41	8				sw.
1891	79.3			3.20					
1892	75.1	99	53	5.25					sw.
1893	76.5	96	53	7.64	12	10	11	9	se.
1894	77.0	105	41	3.91	8	13	12	5	sw.
1895	78.2	105	50	3.04	8	13	13	4	sw.
1896	77.9	102	52	5.42	12	11	12	7	sw.
1897	79.2	103	49	5.44	12	10	13	7	sw.
1898	79.7	105	55	4.15	8	17	10	3	sw.
1899	79.4	105	48	3.89	8	11	10	6	sw.
1900	76.2	97	52	7.94	14	4	15	11	sw.
1901	76.7	102	48	6.75	12	9	12	9	sw.
1902	78.5	105	52	4.48	9	15	10	5	sw.
1903	74.2	96	42	8.09	14	11	10	9	sw.
1904	77.0	102	48	4.06	8	18	7	5	sw.
1905	78.9	101	43	1.92	6	6	14	10	e.
1906	78.4	102	52	8.88	12	13	8	9	sw.
1907	75.8	99	50	5.92	10	12	13	5	sw.
1908	76.6	100	48	4.90	9	13	13	4	ne.
1909	79.2	105	58	6.87	12	10	14	6	sw.
1910	75.5	98	46	7.78	13	10	11	9	sw.
1911	80.9	106	54	3.42	8	14	12	4	sw.
1912	75.5	101	48	5.08	9	13	7	10	sw.
1913	76.2	105	40	5.53	12	15	9	6	sw.
1914	81.1	108	50	3.80	8	14	12	4	sw.
1915	76.0	103	49	4.26	9	14	10	6	s.
1916	76.4	100	48	5.12	11	12	11	7	sw.
Period	77.6	108	39	5.03	10	12	11	7	sw.

Daily Temperatures for June, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	86	89	90	79	91	92	87	85	89	93	95	92	89	91	88	95	92	92	94	94	90	96	94	96	95	88	92	87	94	93	....	90.9
	Minimum	63	60	67	69	63	67	66	67	60	64	66	73	68	64	68	70	69	61	69	69	71	72	73	71	74	72	70	71	71	69	....	67.9
Beaufort	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Blackville §§	Maximum	92	91	91	80	91	94	86	87	81	95	97	94	93	92	89	95	93	94	95	96	92	100	98	98	89	90	90	90	95	95	....	92.4
	Minimum	59	59	68	64	61	65	64	67	58	61	67	68	65	65	68	69	68	65	61	69	71	72	73	70	72	71	71	69	69	68	....	66.6
Bowman	Maximum	90	86	85	78	91	92	90	87	90	92	95	94	92	90	88	86	90	89	91	90	91	92	94	95	87	88	85	94	95	95	....	90.1
	Minimum	57	60	62	63	58	68	66	63	57	60	62	69	68	61	65	67	65	58	65	62	63	65	66	67	68	69	70	70	71	70	....	64.5
Centenary	Maximum	84	86	91	83	92	91	91	82	88	92	92	88	86	88	80	88	85	85	90	93	87	88	87	94	88	88	89	84	90	97	....	88.2
	Minimum	58	54	63	62	58	62	64	63	61	66	66	66	63	61	69	67	65	63	63	68	69	70	62	66	68	68	71	69	69	66	....	64.7
Charleston	Maximum	78	80	85	78	80	86	90	79	88	89	89	92	80	83	78	84	86	85	85	88	87	89	81	86	84	83	82	85	87	89	....	84.5
	Minimum	68	72	72	67	67	75	67	70	70	71	72	74	69	74	68	71	70	70	73	74	75	75	71	76	74	72	71	74	74	68	....	67.3
Cheraw §§	Maximum	83	85	91	78	90	86	82	81	86	88	88	77	81	85	74	83	84	85	88	91	88	83	87	91	82	83	83	89	91	91	....	85.2
	Minimum	55	60	67	60	58	66	63	66	57	60	66	68	63	64	65	68	64	58	62	66	68	70	64	67	68	67	70	67	69	70	....	64.5
Conway §§	Maximum	78	78	83	73	81	82	80	76	82	90	82	81	79	81	77	81	81	81	85	85	83	82	79	85	80	79	80	77	81	86	....	80.9
	Minimum	61	57	63	66	59	65	65	64	63	67	70	68	65	63	71	69	65	65	68	72	68	72	64	67	70	73	71	71	71	69	....	66.7
Darlington §§	Maximum	87	86	89	82	90	90	84	88	86	89	91	85	88	87	79	86	87	89	88	91	88	86	90	92	87	86	88	88	92	....	....	ª 87.6
	Minimum	55	56	66	63	58	68	63	66	60	62	64	69	62	61	67	69	64	63	65	69	70	71	64	66	71	68	71	68	70	67	....	65.2
Dillon	Maximum	84	86	89	77	89	82	83	83	85	88	89	84	85	87	87	86	85	85	89	91	87	85	88	93	86	84	85	85	86	93	....	86.2
	Minimum	57	56	56	58	59	66	60	65	61	63	67	71	62	62	70	68	65	64	67	69	70	69	64	66	68	68	70	69	69	67	....	64.9
Ferguson §§	Maximum	89	86	90	88	88	89	83	85	88	90	92	92	86	89	80	88	87	80	88	92	88	89	90	93	89	87	86	92	91	91	....	88.2
	Minimum	...	...	...	66	58	67	68	62	62	...	...	...	72	....	73	72	69	69	65	65	70	72	...	...	...	72	72	70	72	74	....	ʲ 68.5
Florence 1 §§	Maximum	86	86	88	84	92	91	84	85	90	92	93	88	90	90	80	80	89	91	90	92	90	88	91	95	90	88	91	90	89	93	....	88.9
	Minimum	58	58	63	64	61	67	64	67	61	61	67	69	63	62	69	68	65	62	65	69	69	71	66	67	68	69	69	69	71	67	....	65.6
Georgetown	Maximum	82	85	88	80	85	92	85	81	89	91	89	88	83	85	79	86	88	87	90	91	86	85	85	90	78	84	87	82	90	93	....	86.1
	Minimum	62	58	55	55	60	70	65	65	66	68	69	69	66	63	75	69	68	69	70	73	72	74	63	65	72	70	72	72	71	71	....	67.2
Kingstree §§	Maximum	85	88	91	81	91	94	87	85	89	91	93	91	91	89	77	89	86	87	91	94	92	90	92	95	86	88	84	84	84	91	....	88.6
	Minimum	56	56	62	69	59	67	64	64	60	60	70	70	64	64	68	68	66	64	66	70	71	72	63	66	68	69	72	70	70	65	....	65.8
Mayesville (near)	Maximum	87	86	86	84	92	94	90	86	89	91	93	89	88	91	83	89	88	88	90	94	90	89	91	95	82	87	86	85	95	96	....	89.1
	Minimum	54	56	64	65	56	66	63	64	59	59	59	60	64	68	66	68	65	59	64	68	70	69	65	65	74	69	71	69	69	66	....	64.5
Oaks	Maximum	85	85	90	83	89	93	83	83	87	89	91	88	84	87	77	87	85	84	87	92	87	86	87	93	87	84	83	80	89	90	....	86.5
	Minimum	58	53	60	64	58	60	64	62	58	61	74	75	71	75	70	75	72	73	76	77	75	75	73	77	74	72	74	74	72	69	....	69.1
St. George §§	Maximum	89	89	91	78	89	92	87	86	92	93	95	93	90	92	85	88	89	87	90	95	92	93	94	97	91	87	82	84	92	92	....	89.8
	Minimum	60	61	66	69	62	71	66	67	60	63	68	71	66	64	70	67	66	63	67	68	69	71	68	67	71	69	72	69	70	68	....	67.0
St. Matthews §§	Maximum	87	90	94	79	95	94	87	87	91	94	97	94	88	92	86	92	89	90	92	95	93	91	93	96	92	87	86	83	91	94	....	90.6
	Minimum	58	59	67	62	61	72	65	68	59	62	68	73	65	64	69	69	66	62	67	70	72	73	70	69	72	71	72	71	72	68	....	67.2
Society Hill §§	Maximum	85	88	92	81	93	91	86	86	90	91	91	82	88	89	77	88	88	88	92	95	91	85	91	97	86	85	85	88	93	96	....	88.6
	Minimum	55	56	66	62	58	64	64	66	58	58	63	68	61	60	65	67	64	62	65	68	69	71	64	67	69	68	68	66	69	67	....	63.6
Summerville	Maximum	85	86	88	84	89	89	88	81	89	91	94	94	88	86	79	87	88	85	88	91	88	90	87	90	82	84	80	83	92	90	....	87.2
	Minimum	61	58	62	65	62	69	65	66	64	65	67	72	67	62	69	69	67	67	69	67	63	73	69	67	71	71	73	70	61	69	....	66.7
Walterboro	Maximum	86	88	84	...	87	91	86	83	88	89	95	87	87	88	80	87	86	84	83	84	87	90	91	90	84	86	85	82	92	93	....	ª 87.3
	Minimum	61	58	62	...	62	71	65	65	62	....	68	71	67	64	69	69	68	65	68	70	71	71	70	68	71	70	71	70	70	69	....	ᵇ 67.4
Yemassee §§	Maximum	86	86	87	79	85	92	88	82	89	90	93	92	86	88	86	88	87	85	89	91	87	95	89	91	88	89	84	86	93	92	....	88.2
	Minimum	60	54	60	63	59	62	62	63	60	60	62	69	66	59	61	64	65	63	66	66	69	69	69	66	67	67	68	68	69	68	....	64.1
Western Portion.																																	
Aiken	Maximum	86	91	87	85	88	90	88	84	86	89	92	89	90	91	87	86	85	88	87	93	89	94	95	41	89	87	86	87	92	91	....	88.8
	Minimum	...	...	67	63	62	71	61	65	59	61	66	73	66	66	67	67	65	61	67	69	70	71	72	68	71	70	70	69	70	69	....	ᵇ 67.0
Anderson	Maximum	89	87	90	85	89	88	81	83	85	86	79	85	87	83	83	82	83	90	91	90	93	97	95	94	84	88	91	97	96	96	...	88.2
	Minimum	59	65	69	64	57	61	60	62	54	56	61	65	63	63	65	64	59	56	64	67	68	70	68	76	67	66	66	67	68	68	...	63.9
Batesburg §§	Maximum	85	86	84	74	88	88	79	78	84	86	89	86	88	89	82	84	82	85	87	91	90	92	93	88	88	88	85	83	90	91	...	86.1
	Minimum	57	61	64	63	61	65	64	65	59	58	62	69	64	65	67	69	65	66	68	69	70	71	71	69	70	69	70	69	70	69	...	66.0
Camden §§	Maximum	87	87	93	82	94	94	85	85	86	92	92	90	87	90	82	88	88	88	90	96	95	87	85	88	83	84	85	85	90	...	....	ª 88.0
	Minimum	62	60	61	68	59	66	66	66	55	57	66	72	64	64	65	68	60	66	....	68	69	70	75	67	67	70	70	71	72	67	....	ª 65.9
Clemson College	Maximum	79	81	82	81	82	85	78	78	80	78	76	80	79	80	78	79	78	82	84	84	86	88	87	86	77	86	85	88	89	88	....	82.1
	Minimum	61	65	70	62	57	73	65	64	55	55	64	68	65	68	68	67	62	56	63	66	69	70	70	68	70	68	68	69	72	71	...	65 6
Columbia	Maximum	86	87	88	81	92	92	83	85	86	90	90	87	87	88	82	87	86	89	89	92	91	90	89	92	83	84	86	83	92	93	....	87.7
	Minimum	62	66	70	66	64	65	67	69	62	65	67	71	66	69	69	69	68	65	68	72	72	75	71	70	71	71	72	71	72	68	....	68.4
Greenville §§	Maximum	86	87	92	85	91	88	82	83	84	80	82	84	85	84	83	82	83	88	89	91	93	93	92	92	87	88	92	94	97	95	...	87.7
	Minimum	57	60	66	58	54	61	60	61	51	51	60	61	61	66	65	64	58	53	60	63	67	67	67	64	68	68	64	64	66	66	....	61.8
Greenwood §§	Maximum	86	85	88	82	89	89	79	82	85	88	88	85	87	89	81	82	86	81	89	93	91	91	94	92	83	84	87	85	91	93	....	86.8
	Minimum	57	60	61	64	60	63	68	64	52	61	63	65	64	65	66	66	64	63	58	68	69	70	70	67	69	69	69	69	70	69	....	64.8
Heath Spring	Maximum	83	83	82	80	90	90	79	80	81	85	88	87	84	90	76	76	83	82	86	93	89	85	81	90	86	79	83	87	89	88	....	84.5
	Minimum	57	59	60	60	57	67	62	61	59	58	66	63	61	62	65	65	65	60	63	70	68	71	72	66	68	68	68	67	69	65	....	64.1
Kershaw	Maximum	87	87	91	82	91	94	82	84	85	88	88	90	86	87	80	83	84	87	88	93	90	87	89	90	87	84	84	89	90	93	....	87.3
	Minimum	57	59	67	61	56	67	63	65	58	58	66	67	61	61	65	65	65	59	66	69	69	71	68	67	68	68	69	68	70	66	....	64.6
Landrum	Maximum	81	83	88	81	88	82	80	80	82	83	80	76	82	82	78	80	80	82	86	88	92	90	91	87	85	86	90	91	95	93	....	84.7
	Minimum	52	56	67	57	58	63	60	59	52	50	55	63	65	62	65	63	60	57	56	62	63	66	65	64	66	64	63	63	68	66	....	61.0
Liberty	Maximum	85	85	90	85	90	86	81	81	84	84	81	87	86	82	84	84	84	88	89	89	91	93	90	89	87	87	90	93	95	90	....	87.0
	Minimum	63	64	70	62	56	65	63	63	55	56	63	68	63	68	67	66	58	55	62	65	69	72	74	67	69	68	66	67	68	63	....	64.4
Little Mountain	Maximum	88	88	89	90	91	92	86	85	87	90	90	92	90	90	80	83	84	87	89	95	90	92	95	93	83	86	91	89	96	95	....	89.2
	Minimum	59	64	69	65	61	67	64	65	63	62	65	67	66	65	67	66	65	64	61	69	69	62	70	68	69	71	71	69	71	70	....	66.1
Meriwether	Maximum	91	91	90	83	92	92	85	86	89	91	93	90	92	93	89	....	...	....	....	....	....	....	....	....	....	90	90	....	....	98	....	....
	Minimum	60	60	69	63	60	63	62	65	56	56	61	71	65	65	67	....	....	....	....	....	....	....	....	....	....	70	72	...	...	69	....	....
Monetta	Maximum	87	87	87	82	89	90	85	84	86	88	92	89	91	91	83	84	83	88	83	93	89	94	94	90	85	84	85	87	93	92	....	88.0
	Minimum	60	63	67	64	60	71	61	66	60	60	66	72	66	67	66	68	66	60	66	68	70	72	72	69	69	71	71	70	67	69	....	66.6
Mountain Rest	Maximum	77	78	85	77	83	79	74	77	79	79	77	82	79	79	77	77	76	78	84	81	87	87	83	82	79	80	84	85	88	87	....	80.7
	Minimum	56	58	65	54	60	60	59	56	48	49	48	62	56	58	63	61	59	58	55	61	62	68	63	61	64	60	63	62	61	64	....	59.1
Newberry	Maximum	87	89	82	85	91	92	85	87	89	91	96	90	88	92	83	84	85	90	90	90	91	91	95	92	86	85	90	89	96	96	....	89.5
	Minimum	56	62	69	64	60	72	64	66	53	56	69	70	63	68	68	67	65	57	66	69	70	70	71	66	69	70	70	69	70	67	...	65.9
Saluda	Maximum	88	88	90	81	92	91	85	85	86	90	90	89	89	92	84	85	88	89	88	92	90	93	94	82	83	89	94	90	94	95	....	88.9
	Minimum	54	61	69	69	69	72	63	64	51	53	66	70	62	63	67	66	55	56	66	68	70	68	70	65	68	69	67	66	67	66	....	64.7
Santuck	Maximum	87	88	92	84	90	90	83	84	86	89	87	88	88	89	84	83	84	89	91	92	93	90	95	92	85	87	91	93	97	98	....	88.9
	Minimum	56	60	68	60	56	63	63	61	53	54	63	66	62	64	66	65	65	57	66	67	69	70	69	60	68	69	66	66	68	67	....	63.7
Spartanburg §§	Maximum	84	86	92	85	91	88	82	83	84	85	84	79	86	87	84	82	83	87	90	92	94	89	92	94	82	86	89	92	95	93	....	87.3
	Minimum	56	60	67	59	58	63	61	62	52	54	60	65	63	65	64	65	62	56	63	66	68	68	66	65	67	67	66	66	70	68	....	63.1
Trenton	Maximum	86	85	87	86	88	89	80	81	84	88	89	87	....	91	....	82	83	83	88	93	89	94	94	91	85	88	89	88	89	93	....	ᵇ 87.5
	Minimum	61	61	68	62	61	68	62	64	60	65	65	72	....	64	....	66	68	64	62	65	63	71	72	70	70	69	69	69	69	68	....	ᵇ 66.0
White Oak	Maximum	89	91	92	83	92	93	87	86	87	90	88	85	88	90	80	85	85	89	90	94	92	91	94	94	87	86	90	93	93	97	....	89.4
	Minimum	58	60	61	63	60	61	60	64	59	60	64	67	62	63	66	65	64	59	66	69	70	72	69	67	71	69	69	68	69	67	....	64.7
Winthrop College	Maximum	84	84	90	74	88	85	84	81	81	82	83	78	82	82	81	82	82	85	88	89	86	87	84	89	76	85	86	89	91	90	...	84.4
	Minimum	58	62	68	60	60	65	62	65	56	57	61	66	66	63	65	65	64	59	65	67	79	70	66	67	68	69	68	68	70	....	....	ª 64.8

Reference letters (ª, ᵇ, ᶜ), appearing in the table indicate number of days missing: For example, ᵇ represents two days missing, etc.
Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Precipitation, Inches, June, 1910.



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CLIMATOLOGICAL DATA

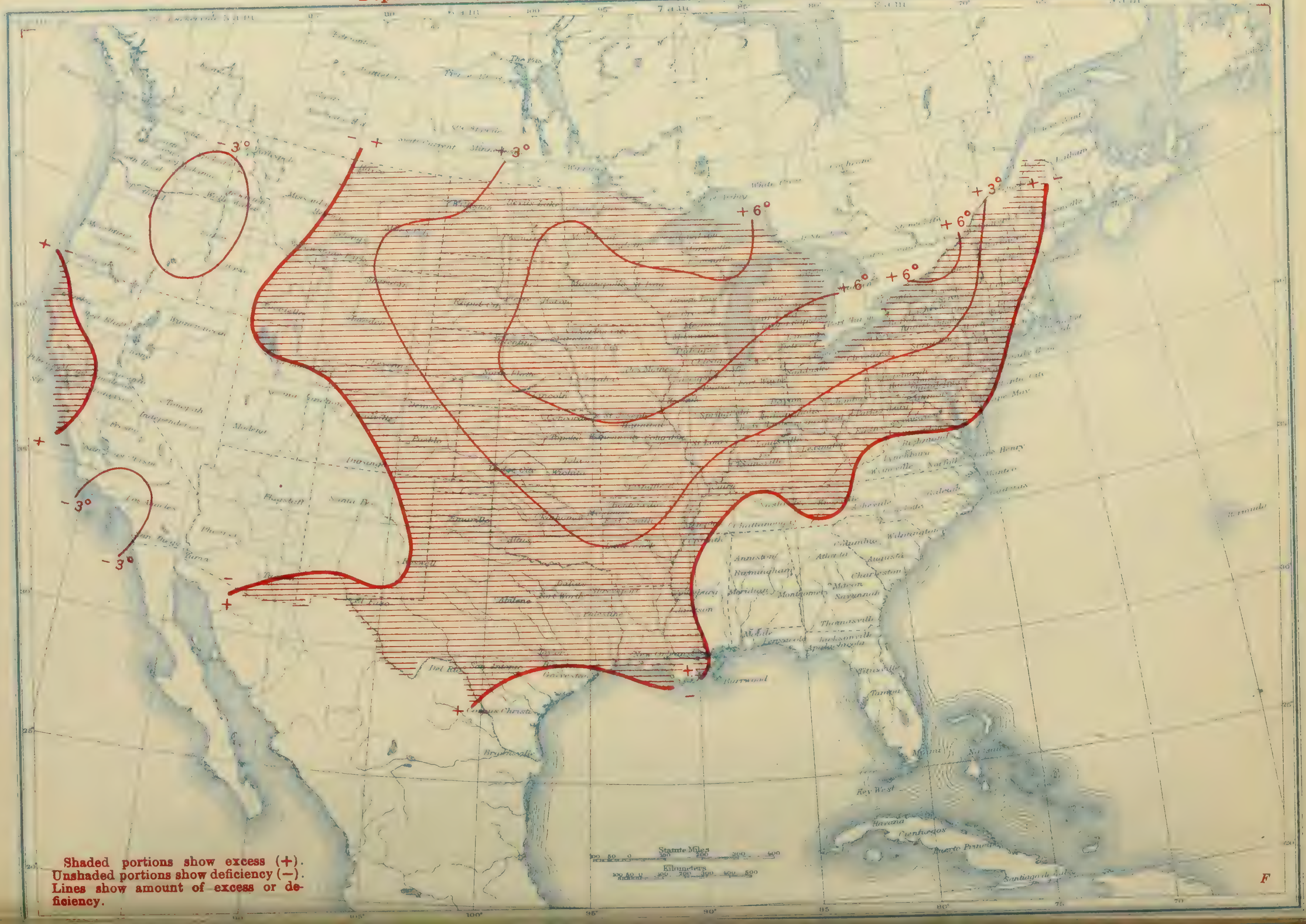
SOUTH CAROLINA SECTION

JULY, 1916

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
August 14, 1916.

Departure of the Mean Temperature from the Normal, July, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

VOL. XIX. COLUMBIA, S. C., JULY, 1916. No. 7.

GENERAL SUMMARY.

July was a remarkably stormy month, with rainfall far in excess of any previous record in the history of South Carolina. Temperatures ranged considerably below the seasonal average, and the mean for the Section was close to the lowest July average. Persistent showery weather culminated in the enormous rainfall that attended the South Atlantic hurricane that passed over the Section between the 13th and 15th, and, as a result, the Santee River System experienced the most extended and disastrous floods in its history. While the winds accompanying the disturbance were not extraordinarily high, the force was such that crops in immense areas were beaten flat into soggy ground, resulting in extensive losses. General crop deterioration set in after the first decade, due to continuous wet, cloudy weather, rapid accumulation of grass, and inability of planters to cultivate the soil. The situation was considerably better in the western portion, toward the Savannah River, where the rainfall was neither so heavy nor so prolonged. However, the early corn crop was practically made during the month, and forage peas, cane, sweet potatoes, and pastures grew luxuriantly. At the close of the month, cotton was not fruiting well and had begun to shed, and in some parts chopping had not been completed.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.00 inches. The highest pressure in the region covered by reports was 30.27 inches at Asheville, N. C., on the 30th, and in the Section proper, 30.26 inches at Columbia on the same date; lowest pressure, 29.02 at Charleston on the 14th, as the destructive south Atlantic hurricane passed inland toward the north.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 42 stations, was 77.8°, or 2.1° below the established normal and but 0.1 degree above the mean of the cool July of 1894. The highest temperature was 99° at Newberry, Newberry County, on the 3rd. The warmest period was generally between the 1st and 4th over the western portion, and local maximum temperatures occurred on various dates in the remainder of the Section. The lowest temperature was 60° at Cheraw on the 6th and at Winthrop College on the 27th. The coolest period of the month was generally during the first decade.

HUMIDITY.

The mean relative humidity, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 87%; 8 p. m., 81%. The highest percentages occurred over the northern and eastern counties, and the lowest, in a narrow belt extending from the Congaree watershed to the middle coast.

PRECIPITATION.

The average for the Section, 56 stations reporting, was 11.69 inches, or 8.87 inches above the established normal and 2.24 inches above the previous highest monthly average since State-wide observations were begun, namely: that of August, 1893. Copious showers to excessive rains occurred in some part of the western portion every day, while there were but two short dry periods in the eastern portion during the month. Veritable deluges occurred over the eastern and extreme northern counties, where the monthly amounts ranged from 15 to over 31 inches; over the western part of the Section toward the Savannah watershed the amounts ranged from 10 to below 6 inches. A very large proportion of this enormous rainfall was developed during the passage of the south Atlantic hurricane that approached the Carolina coast on the 13th, passed northwestward over the State on the 14th, and disappeared over the lower Appalachians by the 16th. Unprecedentedly heavy rains fell in the region from Berkeley, east Charleston, and Georgetown counties northward, where 10 to over 13 inches were measured on the 14th and 15th. During the period, 14th to 18th, the entire eastern portion of the Section was drenched with rainfall ranging from 5 to nearly 17 inches. The greatest local monthly amount was 31.13 inches at Kingstree, Williamsburg County, breaking the previous highest record at Charleston in August, 1885, by 11.95 inches; least monthly amount, 5.73 inches at Edgefield, Edgefield County. The greatest amount during any 24 hours was 13.25 inches at Effingham, Florence County, on the 14th and 15th, or 1.60 inches above the previous highest 24-hour record of August, 1908, at Anderson, Anderson County. The average number of rainy days was 55% above the normal.

WIND.

The prevailing winds were from the southwest. The average hourly velocity, determined from 7 anemometer records, was 8.3 miles. The highest average velocity in the region covered by reports was 11.2 miles per hour at Charleston; lowest average, 5.7 miles per hour at Augusta, Ga., and in the Section proper, 6.7 miles per hour at Columbia. The highest velocity for any 5-minute period was 64 miles per hour from the north at Charleston on the 14th, the highest recorded velocity during the south Atlantic hurricane that passed inland on that date.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine determined from 7 automatic records, was 194.6 hours, or 44% of the possible amount and much below the seasonal average. The amount of cloudiness exceeds all previous records for July, except that of 1906. The number of clear days was 5; partly cloudy, 12; and cloudy, 14; as against normals of 12, 12, and 7 days, respectively.

RIVER CONDITIONS.

Heavy rains over the upper reaches of the Santee System on the 9th and 10th were followed by moderate floods in the Saluda, lower Catawba, Wateree, and upper Santee rivers between the 11th and 15th.

The enormous downpours of rain attending the south Atlantic hurricane during its passage over the State between the 13th and 15th, together with extraordinary rainfall over the drainage areas of the Saluda, Broad, and Catawba rivers in North Carolina up to the 18th, created a situation favorable for the most extensive and destructive floods in the history of the Santee System, authentic records being available as far back as 1840. During the period, 14th to 18th, the rainfall in the Broad and Catawba watersheds along the immediate Appalachian slope ranged from 10 to over 24 inches, and near the northern edge of McDowell County, N. C., an enormous downpour of over 19 inches was recorded on the 16th. The runoff was consequently attended by a river stage at Mt. Holly, N. C., that was nearly twice the height of the 1901 record, 12 feet above the Catawba record for 1908, over 3 feet above the Wateree record at Camden for 1908, 2 feet above the Santee record of 1908 at Rimini, and 1 foot above the 1908 record at Ferguson. Compared with the floods of 1908, when all the rivers were in high flood, the

(Continued on Page 56.)

Climatological Data for July, 1916.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip'n (0.01 in. or more)	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	27	79.6	−1.7	94	† 3	69	† 2	24	13.75	+ 8.24	3.11	0	16	3	12	16	s.	R. B. Vance.
Beaufort	Beaufort	21	29																	Miss Lillian H. Rice.
Blackville	Barnwell	296	27	79.2	−2.5	96	19	67	† 2	27	13.63	+ 8.31	2.60	0	21	5	15	11		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	15	78.2	−2.2	93	4	65	1	30	14.88	+ 9.34	2.76	0	17	13	6	12	sw.	B. O. Evans.
Centenary	Marion	43	1	78.6		93	† 2	63	8	29	16.23		6.75	0	18	1	17	13	sw.	D. L. Carmichael.
Charleston	Charleston	48	45	79.1	−2.2	93	20	68	13	19	11.61	+ 4.35	4.19	0	16	6	11	14	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	26	77.4	−2.5	92	11	60	6	24	15.87	+10.09	9.38	0	18					J. H. Powe.
Conway	Horry	25	30	77.0	−3.1	90	28	65	8	20	13.23	+ 6.74	2.60	0	14	5	1	25	e.	Paul Quattlebaum.
Darlington	Darlington	175	21	78.2	−1.8	94	13	64	6	24	19.83	+15.00	10.10	0	17	1	11	19		D. C. McCall.
Dillon	Dillon	100	13	78.4	−1.8	92	11	64	8	25	13.79	+ 8.08	7.60	0	16					A. E. Rowell.
Edisto ‡‡	Bamberg	143	28								14.41	+ 8.77	2.20	0	19					Nathan Jenkins.
Effingham	Florence	106	23								24.95	+20.47	13.25	0	18					H. B. McCall.
Ferguson	Orangeburg	63	30	^{p}78.2	−1.2	91	†12	^{p}72	† 3	^{p}18	27.33	+21.41	7.52	0	16					Joseph P. Simons.
Florence 1	Florence	136	27	78.8	−2.6	97	4	65	8	29	18.05	+12.80	9.15	0	20	5	18	8	sw.	H. K. Gilbert.
Florence 2	do	136	1								20.27	+15.02	11.05	0	12	2	21	8	s.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	21	^{a}80.5	−0.1	^{a}94	†20	^{a}67	† 7	^{a}33	20.25	+13.30	4.75	0	14	6	21	4	s.	A. P. Hazard.
Kingstree	Williamsburg	51	27	79.4	−1.2	94	4	66	7	24	31.13	+25.53	12.60	0	18	12	4	15	w.	A. O. Matthews.
Mayesville (near)	Sumter	70	1	78.6		96	20	66	7	27	19.24		6.52	0	20	5	13	13	s.	Lewis E. Warren.
Oaks ††	Georgetown		1			92	20				16.80		8.95	0	17	17	0	8	s.	O. M. Mitchell.
Pinopolis **	Berkeley	54	66	75.9	−2.5	90	20	70	† 1		21.22	+14.94	8.50	0	17	4	1	27	sw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	2								14.22		2.80	0	14					William B. Wolfe.
St. George	Dorchester	109	27	78.7	−2.1	94	20	67	† 1	23	21.89	+15.88	5.50	0	20	8	7	16	sw.	R. S. Weeks.
St. Matthews	Calhoun	62	20	79.2	−0.7	95	20	67	31	24	10.26	+ 4.85	1.72	0	14	1	17	13	nw.	J. S. Wannamaker.
Society Hill	Darlington	192	24	78.4	−1.1	94	11	62	6	27	19.43	+13.24	8.94	0	20	8	5	18	s.	T. S. Lucas.
Summerville	Dorchester	75	18	78.4	−1.5	92	19	64	22	23	17.50	+11.48	5.24	0	19	4	24	3	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	13																	J. A. Westerberg.
Whitehall (near)	do	4																		Special Rice Exp. Station.
Yemassee	Hampton	24	20	78.2	−2.8	94	19	66	17	26	13.08	+ 6.33	5.53	0	18	13	2	16	e.	J. G. Hutson.
Division means and	extremes			78.5	−1.8	97	4	60	6	^{a}33	17.71	+11.85	13.25	0	17	5	12	14	s.	
Western Portion.																				
Aiken	Aiken	527	55	78.4	−2.8	92	28	67	† 2	23	8.47	+ 3.93	1.17	0	22	7	9	15	se.	W. M. Brown.
Anderson	Anderson	764	20	76.5	−3.2	95	† 1	63	4	30	11.27	+ 5.95	1.99	0	15	14	0	17	w.	H. H. Russell.
Batesburg	Lexington	656	27	76.8	−2.9	90	† 3	65	31	22	10.48	+ 5.05	2.18	0	17	8	7	16	se.	E. J. Hite.
Blairs	Fairfield	293	13								13.36	+ 8.26	4.25	0	14					J. N. Owens.
Calhoun Falls	Abbeville	508	23								15.22	+10.48	1.72	0	26					L. M. Parker.
Camden	Kershaw	222	56								14.89	+10.04	3.10	0	18					W. C. Brown.
Catawba	York	562	12								15.55	+ 9.81	6.60	0	13					James C. Faris.
Chappells	Newberry	402	12								7.86	+ 3.59	1.75	0	15					J. J. Murran.
Clemson College	Oconee	850	24	76.8	−1.0	88	3	69	† 8	18	8.46	+ 3.23	1.64	0	15	9	11	11	se.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	29	78.8	−2.3	92	3	70	1	21	7.58	+ 1.52	2.26	0	19	2	10	19	e.	U. S. Weather Bureau.
Edgefield	Edgefield		2								5.73		1.70	0	9					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	3								17.65	+ 9.67	6.42	0	19					Harry A. Parshall.
Greenville	Greenville	989	23	77.4	+1.0	95	3	65	1	28	12.12	+ 6.70	3.50	0	23	7	14	10	sw.	J. H. Woodside.
Greenwood	Greenwood	671	27	76.6	−3.4	92	2	66	† 3	26	10.79	+ 5.70	3.06	0	22	9	0	22	sw.	M. M. Calhoun.
Heath Spring	Lancaster	568	15	75.4	−5.0	90	† 3	91	11	23	11.79	+ 7.54	5.27	0	13	3	21	7	w.	J. Marvin Bowers.
Kershaw	Kershaw	500		77.6		93	3	64	6	24	10.79		5.73	0	17	20	3	8	se.	John W. Hamel.
Landrum	Spartanburg	1063	1	75.6		91	31	61	13	28	20.80		3.10	0	20	7	10	14		R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	17	77.8	−1.4	92	† 2	66	11	22	10.69	+ 4.89	3.04	0	18	1	25	5	sw.	John T. Boggs.
Little Mountain	Newberry	711	23	78.5	−1.9	96	4	68	† 2	28	13.03	+ 8.29	2.26	0	16	3	12	16	sw.	J. M. Sease, M. D.
Meriwether	Edgefield	450	13	^{b}76.8	−3.4	^{b}69	3	^{b}67	27	^{b}27	9.08	+ 4.13	1.74	0	15					William S. Middleton.
Monetta	Saluda	400	9	78.4		93	† 4	68	† 1	24	8.03		2.32	0	17	0	20	11	s.	Joseph M. Johnson.
Mountain Rest	Oconee	1380		72.8		87	†17	61	27	25	24.45		4.98	0	22	3	14	11		J. H. Brown.
Newberry	Newberry	502	13	78.8	−2.0	99	3	62	1	31	12.22	+ 7.78	3.10	0	21	0	9	22	s.	Warren G. Peterson.
Pelzer	Anderson	850	12								12.04	+ 6.74	1.84	0	19					Joshua Y. Jones.
Saluda	Saluda	536	15	78.0	−2.5	93	† 3	65	31	27	7.79	+ 3.58	1.10	0	23	11	3	17	s.	Mrs. F. V. J. Maxwell
Santuck	Union	512	23	78.3	−1.3	96	3	66	† 1	32	10.23	+ 5.28	3.16	0	19	2	16	13	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	13	77.6	−1.4	91	† 2	66	† 1	23	15.48	+11.18	4.50	0	16					F. P. Robinson.
Trenton	Edgefield	620	27	77.7	−2.8	92	1	67	† 2	28	7.91	+ 2.26	2.56	0	12	3	19	9	sw.	Mrs. S. E. Long
Walhalla	Oconee	1061	13								14.53	+ 8.57	3.01	0	21	1	20	10	se.	H. W. Brandt.
White Oak	Fairfield	548		78.4	−1.2	94	13	65	1	32	16.05	+11.14	6.02	0	15	6	14	11	se.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	17	76.0	−3.9	92	† 3	60	60	27	15.65	+10.76	4.00	0	15	4	19	8	sw.	W. P. Goodman.
Division means and	extremes			77.2	−2.2	99	3	60	27	34	12.26	+ 7.88	6.60	0	18	6	12	13	sw.	
State means and ex	tremes			77.8	−2.1	99	3	60	† 6	34	14.69	+ 8.87	13.25	0	17	5	12	14	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.
T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for July, 1916.

Stations.	Watershed.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ‖‖	Savannah		2.00		T.	.81	T.	.09		.80	.32	.71			.63	.10	1.10						.80	1.10	3.11	T.	.68	1.10		.10	.30		13.75
Beaufort	Coast																																
Blackville ‖‖	Edisto	.10	1.90	.25		1.40		.10	.08	.20	.40	.08	.30		.60	.80	.34						.35	.10	1.05	.33	1.30	2.00		1.80	.15		13.63
Bowman	do	T.	.06		.62	.41		T.	.16	.32				.28	2.76	.99						.46	.28	1.15	1.08	1.72	2.38	.59		.94		.68	14.88
Centenary	Pee Dee		.30	T.	.22	.80			T.	T.	.42	.07		.67	6.75	1.78	.02				T.	.18	.15	.30	.50	2.56	.02	.50		.49	.50		16.23
Charleston ***	Coast	T.	.45	.02	.45	.68				T.	T.		.08	1.16	2.13	1.04						.03	.16	3.97	.48	.11	.22	.82		.01	T.		11.61
Cheraw ‖‖	Pee Dee	.44		.11	.60					.09	.02	.02			.33	9.38	.42					.04	.16	.03	.90	.50	1.55	1.08	.09	.11			15.87
Conway ‖‖	Waccamaw	1.05		.15		1.00					1.03				2.20	2.60	T.			T.		.25	.48	.27	1.92	1.46	.13	.02	T.	.17	T.		13.23
Darlington ‖‖	Pee Dee		T	.13	.28	.62				.14	T.				1.55	10.10	.88					.74	.26	.41	.35	1.25	1.05	0.85	.55	.57	.10		19.83
Dillon	Little Pee Dee		.12		.01				.20	.25		.68		.13	7.60	.06	T.				T.	.07	.30	.93	.24	1.10	.32	.61	1.17				13.79
Edisto ‖‖	Edisto	.70	.44			1.53	.13			1.69	.66	.07	.08		.44	1.93	.38						.63	.93	1.50	.15	.45	2.20		.20	.30		14.41
Effingham ‖‖	Lynches			.48		.27				.24	.33		.15		2.50	13.25	.60					.24	.65	1.25	.43	1.06	1.40	1.50	.12	.35	.13		24.95
Ferguson ‖‖	Santee	2.87				.28					.07		.05		2.88	7.52	.61						1.55	.70	2.87	.60	.76	3.88	.10	2.12	.47		27.33
Florence 1 ‖‖	Pee Dee	.07	.52	.08	T.	.35				.36	.05		.20		1.28	9.15	.66					.21	.48	.47	.31	.99	.47	.82	.38	.31	.89		18.05
Florence 2	do		T.			.83				T.				.02	4.15	11.05							.72	.15	.60	1.20	.55	.15	.45	.40			20.27
Georgetown	Coast		.35		1.45				.30	2.00				.75	4.75	3.75	.35					2.00	1.40	.90		.34	1.38	.53			T.		20.25
Kingstree ‖‖	Black	1.07		1.78		.95				.05	.15		.60		3.45	12.60	.72						.22	.30	.60	.80	1.20	1.60	.17	2.62	2.25		31.13
Mayesville (near)	do	.04		.09	2.10	.01			.06	.08	.22			.27	6.52	4.18	T.				.02	.04	.48	.46	.39	2.75	.49	.21		.81	.02		19.24
Oaks	do				.40					.13	.30			.35	8.95	1.00					.04	.13	.24	.54	1.18	2.71	.12	.27	.06	.33	.05		16.80
Pinopolis	Cooper	1.20	1.05		.30	.57					.48			1.00	8.50	.73						1.60	.37	1.17	.88	.80	.41	1.61	.16	.40			21.22
Rimini ‖‖	Santee	.12				.22				.26	.11				1.35	2.70	1.30						.85	1.24			1.73	2.80	.09	.90	.55		14.22
St. George ‖‖	Edisto	.45	.85			1.32	.60			.17	.21	1.17		.17	.75	5.50	.45						2.43	.67	.97	.98	.74	3.13	.20	.95	.15		21.89
St. Matthews ‖‖	Santee					.18				1.00	.65		.10		.65	1.72	.45							1.40	.46	.30	1.30	.95		.30	.80		10.26
Society Hill ‖‖	do	.54	.04	.12	1.25				.45	.06	.03			1.92	8.94	.98					.32	.19	.33	.60	.80	.83	.22	.09	1.58	.14			19.43
Summerville	Ashley	1.06			.03	2.51	.06	T.	.04	T.	.50			.30	5.24	1.55					.06	.51	.70	1.53	.74	1.90	.57	.07	.02	.12			17.50
Walterboro	Ashepoo																																
Whitehall (near)	Combahee																																
Yemassee ‖‖	do		.09			1.20				.30	.45	.22	.08	T.	.05	5.53	.13				.18		.04	.19	1.43	2.20	.05	.68	.20			.06	13.08
Western Portion.																																	
Aiken	Edisto		.19	.23	.31	1.41	.21	.07	.11	.53	.77	.13		.37	.09	.11		.04	.05				.09	.33	1.17	.63	1.33			.15	.15		8.47
Anderson	Savannah			.99					1.61	1.11	.81	.15	.60			1.43	1.99	.94	.22				.17		.53	.04	.66	.02					11.27
Batesburg ‖‖	Edisto	.93		.09		.04		.49		.50	.67	.24	T.	T.	.27	1.29	T.			.18			.04	1.32	2.18	T.	T.	1.49		.14	.52	.09	10.48
Blairs ‖‖	Broad	2.41				.11				1.09	.48	.13			.25	4.25	.96	.37					.72	1.41	.15	.91				.12			13.36
Calhoun Falls ‖‖	Savannah	1.64	.46			.03	.19	.11	.71	.46	1.19	1.23	.39	1.72	.03	.22	.21	.36	.99	.47	.49	.69	1.55		.83	.47	.04	.67		.03	.04		15.22
Camden ‖‖	Wateree	.62		.52		1.37				.31	.57		.04		1.10	3.10						.82	.62	1.18	.90	.46	.04	.08		.10	1.24	1.82	14.89
Catawba ‖‖	Catawba	.31		.95						1.70	1.30	.08	.08			6.60	.78					.70			1.28	.48	.40			.89			15.55
Chappells ‖‖	Saluda	T.		T.					.05	.57	.45	.38			.08	1.60	.30	.27		.67			1.75	1.00	.10	.12			.20	T.	.32		7.86
Clemson College	Savannah				.42			.15	1.64	1.62	.20		.22		.03	.56	.41	1.54				.09	1.01		.09		.34			.14			8.46
Columbia ***	Congaree	.11	T.	.01	.08				.09	1.39	.33	.02		T.	1.43	.34						.39	.30	.47	1.91	.14	.14	.01	.02	.30	.10		7.58
Edgefield ‖‖	Savannah			.30						.88	.40					.45								.45	.55			1.70	.80	.20			5.73
Gaston Shoals ‖‖	Broad	.75		.28	T.	T.			T.	1.34	1.03	.76	.22		.01	3.20	6.42	.33		1.11	.48	.24	.01	.85	.25	.09	.01	.27					17.65
Greenville ‖‖	Saluda				.11	.30			.16	1.34	1.12	.50	.02	.20	.01	1.06	3.50	.33	.01	1.82		.62	.59	.01	.01	.14	.04	.11		.09	.03		12.12
Greenwood ‖‖	do			.50				.31	.10	.61	.24	1.45		.30	.05	.57	.77		.10	.30		.11	.80	3.06	.35	.45	.09	.43	.02	.02	.16		10.79
Heath Spring	Wateree			.16					.15	1.26	.45	.38			5.27	.23					.08	.45	.58	1.90				.08		.80			11.79
Kershaw	Lynches	.11				T.				.26	.50	.63			.21	5.73	.26					.09	.72	.46	.85	.31	.01	.02	.44	.06	.13		10.79
Landrum	Broad	1.84							2.05	2.25	1.38	.21	.16		.28	3.10	2.26	1.79	.07	.69	1.60	.55	.72	.07		.11	1.61	.03		.03	T.		20.80
Liberty	Savannah	T.			.04			.10	3.05	1.10	.60	.04	T.		.20	.32	1.25	.95	T.	.02	.44	.51	T.		.06	.02	.04	.40		1.55	T.		10.69
Little Mountain	Saluda	.62			2.26			.06	.90	.90	.08			.50	1.00	2.50	T.					T	.20	.75	1.17	.11				1.76	.18	.04	13.03
Meriwether	Savannah	1.63		.02	T.		1.18	.31	*	1.22				.10	.34	.27	T.	T.	T.	.91				.49	.32	1.74	.03	.05		.47			9.08
Monetta	Edisto	1.15	.15	T.	.15				.15	.66	.30	.04		.42	.41	.48			.01				.46	.65	.10	T.	2.32			.45	.13		8.03
Mountain Rest	Savannah	.66	.48				T.	.45	4.98	4.30	3.35	.30	.33			.10	3.80	.37	.75	.05	.40	1.75	.05	.01	1.04	.80		.30	.05	.13			24.45
Newberry	Saluda	.98	.10		.08			T.	.30	.90	.62			.05	.70	3.10	.28	.23	.01		.02	.10	1.37	1.55	.78	.22	.10			.35	.43		12.22
Pelzer ‖‖	do			1.46		.32			.70	1.32	1.02	.66			.28	.58	1.84	1.06		.46		.08	.18	1.06	.10	.80	.02	.06		T.	.04		12.04
Saluda	do	.75		.05	.06			.02	.17	.50	.42		.19	.25	.18	.70	.07		.03		.65	.05	.10	.20	1.00	.05	1.10	.50		.65	.10		7.79
Santuck	Broad	.52		.30	.95				.37	1.06	.58			.05	.60	3.16	.16	.26	.22			.39	.93	.16	.17	.30	.01			.04			10.23
Spartanburg ‖‖	do	.58			.04	T.			T.	1.08	1.12	.17		.90	T.	4.00	4.50	.50		1.23		.23	.21	.50	.10	.23	T.	.09		T.	T.		15.48
Trenton	Edisto	T.	T.	T.	T.	T.	T.	.54	.17	.26	.59	T.	T.	.06		.68			.15		T.		1.32	2.56	.28	T.	.40	.90			T.	T.	7.91
Walhalla	Savannah	T.		.29				.51	2.98	1.22	3.01	.08	.12	.06	.04	.29	1.08	.02	.05		.27	.48	.51		2.53	.04		.67		.24	.04		14.53
White Oak	Broad	1.38			.04	T.			.05	1.97	.17	T.		.22	.90	6.02		.09			T.	.60	1.32	1.92	1.17	.01	.02			.17			16.05
Winthrop College	Catawba	.15		1.85					.12	1.60		.12	.46		.34	4.35	.12				.45	1.30	1.50	.25	2.25	.34				.46			15.65

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR JULY.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	82.0	110	60	7.29	14				
1888	78.9	108	53	3.68	8				sw.
1889	79.5	102	51	7.33	13				sw.
1890	78.4	104	52	6.88	12				sw.
1891	77.9	93	56	5.95					sw.
1892	78.9	102	51	7.44					sw.
1893	82.0	104	60	3.87	9	13	14	4	sw.
1894	77.7	100	55	8.24	16	8	12	11	sw.
1895	79.5	102	51	4.17	8	10	15	6	sw.
1896	80.7	105	51	8.17	13	10	13	8	sw.
1897	80.2	107	54	5.01	11	13	12	6	sw.
1898	80.0	102	54	7.81	14	10	10	11	sw.
1899	80.0	105	47	4.03	9	12	11	8	sw.
1900	81.2	104	55	4.08	9	11	11	6	sw.
1901	81.4	102	62	4.52	10	12	12	7	sw.
1902	80.8	107	58	3.79	9	15	11	5	sw.
1903	80.4	103	45	3.59	8	18	9	4	sw.
1904	79.4	105	50	5.96	12	13	12	6	sw.
1905	80.4	101	60	6.16	12	13	10	8	sw.
1906	78.4	100	56	8.40	16	5	17	9	sw.
1907	81.1	106	56	5.06	11	13	13	5	sw.
1908	79.8	100	60	5.43	12	12	13	6	s.
1909	78.6	104	55	4.92	10	13	12	6	sw.
1910	79.4	102	58	5.83	13	9	15	7	sw.
1911	79.8	102	53	3.79	10	12	13	6	sw.
1912	79.6	102	58	5.22	11	11	10	7	sw.
1913	81.9	109	56	4.78	9	15	9	7	sw.
1914	80.0	107	53	5.16	9	14	13	4	sw.
1915	80.9	106	55	3.26	8	18	10	3	sw.
1916	77.8	99	60	14.69	17	5	12	14	sw.
Period	79.9	110	45	5.82	11	12	12	7	sw.

Daily Temperatures for July, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum ...	91	88	94	93	87	85	80	82	81	89	90	91	88	81	89	89	89	91	94	93	89	86	84	85	85	83	85	91	92	88	88	87.7
	Minimum....	70	69	70	72	71	72	70	71	72	72	79	72	72	70	74	71	69	70	71	72	72	73	71	70	71	72	71	69	73	71	70	71.4
Beaufort	Maximum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Blackville §§	Maximum ...	93	92	92	91	81	88	81	81	83	89	94	93	90	81	91	89	91	94	96	94	90	85	82	82	85	86	85	94	89	87	89	88.5
	Minimum....	70	67	69	71	70	70	69	69	69	71	69	71	71	70	72	70	70	73	69	70	71	71	72	71	71	71	69	69	71	67	68	70.0
Bowman	Maximum ...	92	91	92	93	90	85	84	80	79	85	91	92	80	76	82	85	90	91	92	91	88	84	85	84	85	81	85	92	90	89	90	87.0
	Minimum....	65	66	70	71	70	69	68	68	69	70	71	70	70	69	69	69	69	70	70	69	70	70	70	70	71	70	69	70	70	68	69	69.3
Centenary	Maximum ...	90	93	93	93	88	88	87	85	83	87	91	92	86	77	82	85	88	89	87	91	87	85	82	84	83	86	85	90	87	86	84	86.7
	Minimum....	68	68	70	71	69	67	65	63	71	69	73	71	73	72	75	72	71	69	74	69	73	72	72	72	71	72	72	69	72	71	67	70.4
Charleston	Maximum ...	84	86	89	90	81	82	80	82	82	85	87	85	83	80	82	83	84	86	92	93	88	85	78	83	83	80	82	85	84	84	84	84.3
	Minimum....	72	74	72	72	72	74	77	76	76	78	78	76	68	71	74	76	74	73	73	75	75	73	72	72	74	76	71	74	76	73	74	73.9
Cheraw §§	Maximum ...	88	90	90	85	87	87	85	80	81	87	92	91	91	73	77	82	87	89	87	89	85	84	82	81	80	78	86	90	82	86	86	85.1
	Minimum....	67	70	68	68	68	60	65	66	70	71	73	71	70	73	70	72	72	72	70	70	73	72	72	70	70	71	69	68	72	71	68	69.7
Conway §§	Maximum ...	87	82	86	85	83	81	79	85	78	82	83	83	79	77	79	82	87	87	85	88	81	79	78	79	79	81	82	90	83	83	83	82.5
	Minimum....	68	70	71	74	70	67	67	65	75	70	71	70	74	73	74	73	71	70	73	71	73	74	73	71	72	73	74	71	73	72	71	71.4
Darlington §§	Maximum ...	90	92	90	92	87	88	87	82	82	90	82	94	89	76	81	88	88	90	92	91	86	84	81	85	79	78	84	90	89	87	85	86.4
	Minimum....	68	69	69	72	68	64	65	65	70	71	74	71	70	71	72	73	72	72	71	69	69	72	73	71	70	72	70	68	71	70	67	70.0
Dillon	Maximum ...	86	90	91	91	91	87	87	89	81	87	92	91	85	79	86	84	88	88	88	91	86	84	80	84	81	80	82	89	87	84	82	86.2
	Minimum....	68	70	71	71	79	65	66	64	69	71	74	71	73	72	75	72	72	69	73	71	74	73	72	64	70	69	71	70	70	68	68	70.5
Ferguson §§	Maximum ...	90	89	90	88	85	85	86	85	85	89	90	91	85	86	89	89	89	89	89	91	85	86	84	84	86	81	87	90	85	86	85	87.1
	Minimum....	...	...	72	74	76	76	...	...	...	...	...	...	...	...	...	...	...	...	...	...	76	74	74	74	72	72	75	75	77	73	74	[illegible]69.3
Florence 1 §§	Maximum ...	94	93	93	97	89	91	88	85	81	89	88	96	85	74	82	81	90	92	90	95	91	82	78	81	80	78	80	93	92	88	86	87.2
	Minimum....	69	71	70	73	68	67	66	65	70	70	74	70	72	74	71	73	72	71	72	70	73	72	72	71	70	72	70	70	71	70	68	70.5
Georgetown	Maximum ...	89	85	90	91	89	90	85	85	91	90	90	90	82	84	85	88	90	90	91	94	94	94	90	....	85	89	89	90	90	90	89	^{a}89.0
	Minimum....	70	73	72	76	71	72	67	67	76	71	72	72	76	74	70	72	71	67	73	72	75	72	72	....	72	72	73	72	74	72	72	^{a}72.0
Kingstree §§	Maximum ...	91	91	92	94	88	87	86	81	88	89	92	91	87	77	83	89	90	91	90	91	89	87	81	83	86	84	87	92	87	87	86	87.7
	Minimum....	67	71	69	73	71	70	66	68	71	71	74	70	73	72	71	73	72	71	71	71	73	72	73	72	72	72	71	70	72	72	70	71.7
Mayesville (near)	Maximum ...	92	94	94	93	87	88	86	81	83	90	93	93	88	80	81	87	88	89	89	96	88	86	83	87	81	83	87	91	85	87	86	87.5
	Minimum....	69	67	69	67	69	67	66	68	70	71	71	71	71	70	72	71	71	71	69	69	72	71	69	70	71	72	70	69	70	70	68	69.7
Oaks	Maximum ...	87	89	89	90	86	85	83	85	80	87	88	89	84	78	83	96	90	90	90	92	89	86	88	88	84	85	84	90	88	87	85	86.7
	Minimum....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
St. George §§	Maximum ...	90	89	91	93	87	85	80	79	80	89	91	92	85	77	86	89	90	91	93	94	87	87	79	86	87	86	85	91	90	87	87	87.1
	Minimum....	67	67	69	71	70	70	69	68	71	72	71	71	72	70	72	70	69	71	70	73	73	71	70	71	71	71	69	70	71	70	69	70.3
St. Matthews §§	Maximum ...	90	93	93	94	87	85	83	78	78	89	93	93	87	76	87	88	90	90	91	95	91	87	83	87	79	84	86	92	87	86	89	87.5
	Minimum....	71	69	70	72	71	71	69	69	71	71	70	71	72	73	73	70	70	73	70	72	72	73	72	71	72	71	70	70	72	71	67	70.9
Society Hill §§	Maximum ...	88	93	92	91	89	88	88	84	82	90	91	92	90	75	81	88	90	89	88	90	89	85	85	87	80	80	86	92	87	86	88	87.3
	Minimum....	67	70	69	70	67	62	65	65	69	70	73	71	70	71	72	72	71	71	70	69	72	71	72	70	70	70	70	69	71	70	66	69.5
Summerville	Maximum ...	89	87	90	91	84	82	79	80	81	87	91	91	85	75	85	87	89	90	92	90	87	83	80	83	84	83	86	90	89	87	84	85.8
	Minimum....	67	71	70	73	71	70	69	68	74	73	74	73	70	73	73	70	69	69	70	73	72	64	72	72	72	73	71	71	74	72	71	71.1
Walterboro	Maximum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yemassee §§	Maximum ...	92	89	92	92	86	85	82	80	80	88	89	91	87	78	87	87	9	92	94	91	92	86	83	88	86	88	87	90	87	89	87	87.6
	Minimum....	67	68	67	68	68	69	69	69	70	70	68	68	70	69	71	69	66	67	68	70	70	71	70	69	70	70	69	68	69	69	69	68.9
Western Portion.																																	
Aiken	Maximum ...	90	90	89	87	88	86	83	80	79	81	89	90	91	81	89	88	84	90	91	89	87	88	80	84	82	81	85	92	88	90	89	86.6
	Minimum....	69	67	68	69	71	68	68	69	67	69	67	71	71	72	72	72	71	71	72	71	71	71	71	70	76	70	69	69	73	71	72	70.1
Anderson	Maximum ...	95	95	92	92	88	88	77	73	75	76	86	85	86	83	81	85	86	87	85	87	87	87	85	82	84	89	81	91	81	84	91	85.4
	Minimum....	66	66	66	63	68	69	66	65	66	67	65	67	68	70	68	69	69	70	68	68	70	70	70	67	67	66	68	68	70	68	68	67.6
Batesburg §§	Maximum ...	89	88	90	90	84	84	73	78	78	81	87	87	86	78	83	84	82	85	87	88	87	85	75	83	83	80	82	88	84	82	84	83.9
	Minimum....	67	68	70	71	70	71	67	67	68	70	68	70	69	71	72	72	71	73	71	71	72	72	69	70	70	70	68	69	71	71	65	69.8
Camden §§	Maximum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Clemson College	Maximum ...	84	87	88	86	83	83	80	73	74	77	82	82	84	82	82	86	83	84	83	83	83	84	80	81	82	84	81	85	83	82	86	82.5
	Minimum....	76	71	70	71	71	71	71	69	70	69	70	65	71	72	72	74	74	73	71	71	74	73	73	72	71	70	69	71	73	72	70	71.2
Columbia	Maximum ...	89	91	92	92	87	86	80	79	78	88	90	90	88	77	84	86	86	90	90	91	88	85	81	84	84	81	85	91	88	87	86	86.3
	Minimum....	70	70	71	72	71	73	71	71	70	70	71	72	72	72	72	71	72	73	70	72	73	71	72	71	72	71	71	70	74	70	70	71.3
Greenville §§	Maximum ...	88	93	95	91	88	86	77	72	77	79	86	89	90	84	80	84	90	89	88	91	88	89	85	85	88	90	88	91	80	86	94	86.5
	Minimum....	65	68	67	66	67	67	68	66	67	67	67	66	67	71	69	70	71	72	70	68	71	71	70	69	69	69	68	66	70	68	66	68.3
Greenwood §§	Maximum ...	89	92	90	90	83	85	76	77	71	81	84	85	87	83	82	84	87	86	86	87	86	85	78	80	81	83	83	88	82	81	85	83.8
	Minimum....	67	68	66	69	70	69	69	67	67	68	66	69	70	72	70	72	71	71	71	70	71	71	70	71	70	69	68	67	70	70	69	69.3
Heath Spring	Maximum ...	87	89	90	90	85	87	81	74	77	78	85	88	86	78	78	81	85	85	87	83	84	79	78	76	75	77	85	88	77	85	86	82.7
	Minimum....	65	67	68	68	67	64	65	65	69	65	61	66	67	70	70	70	71	71	67	69	71	71	68	69	70	70	69	68	70	70	68	68.1
Kershaw	Maximum ...	88	91	93	92	89	87	85	79	78	87	90	90	89	75	86	83	87	89	90	88	86	82	81	80	82	83	88	89	85	88	87	85.8
	Minimum....	67	69	69	70	67	64	65	66	69	71	66	70	69	73	71	71	72	73	68	69	72	72	69	70	71	71	69	69	72	71	67	69.4
Landrum	Maximum ...	85	87	89	87	87	85	79	73	77	77	81	86	87	81	76	78	85	86	86	84	89	87	84	85	86	88	84	90	81	84	91	84.0
	Minimum....	65	67	67	71	66	65	67	65	67	67	66	65	61	66	69	71	70	72	68	66	67	68	67	68	66	67	65	65	71	67	67	67.2
Liberty	Maximum ...	88	92	91	92	89	85	80	72	75	80	81	88	90	82	83	84	88	88	89	87	86	87	84	86	85	89	86	89	81	86	89	85.7
	Minimum....	68	70	69	70	69	69	70	68	69	68	66	68	70	67	70	72	72	72	71	71	70	73	70	71	71	70	68	69	73	70	70	69.9
Little Mountain	Maximum ...	86	91	91	96	85	89	89	77	79	86	89	90	91	81	82	89	89	90	90	90	87	90	80	79	80	83	85	89	85	84	85	86.5
	Minimum....	65	68	71	68	69	69	69	68	69	70	69	72	70	71	71	72	72	72	72	72	72	71	69	72	72	71	70	76	72	69	69	70.5
Meriwether	Maximum ...	94	93	96	93	87	85	81	...	...	87	89	90	92	90	90	87	90	92	93	91	91	91	91	81	87	81	85	94	87	85	90	^{b}89.2
	Minimum....	69	68	69	71	69	68	69	...	...	69	68	69	70	70	70	74	71	71	71	70	72	72	72	70	71	71	67	68	73	72	67	^{b}70.6
Monetta	Maximum ...	90	88	91	93	85	86	78	81	78	86	88	91	89	79	88	89	87	91	93	91	88	87	80	83	86	82	83	92	85	83	87	86.4
	Minimum....	68	69	70	70	71	71	70	69	69	70	69	72	71	72	71	73	72	71	72	71	72	72	70	70	72	69	69	69	72	71	68	70.5
Mountain Rest	Maximum ...	81	85	75	74	77	78	71	68	70	77	80	82	85	84	82	76	87	83	83	81	83	81	80	80	83	85	87	85	79	80	87	80.3
	Minimum....	65	66	63	64	67	67	66	62	65	65	65	64	65	68	65	69	69	67	65	64	65	67	65	64	64	64	61	65	69	67	65	65.4
Newberry	Maximum ...	90	94	99	96	86	88	80	80	81	85	90	90	91	80	82	86	87	89	90	92	89	87	82	80	86	83	85	92	83	96	88	87.3
	Minimum....	69	69	70	70	70	70	70	69	69	69	68	70	70	72	71	73	71	73	70	72	73	73	69	70	72	72	69	69	74	71	67	70.2
Saluda	Maximum ...	91	90	93	93	84	83	80	80	86	84	90	90	90	81	88	86	87	90	92	90	87	89	80	85	87	80	84	92	84	85	87	86.7
	Minimum....	68	67	70	69	70	70	69	69	66	69	68	68	69	71	70	72	71	71	70	71	71	73	69	70	70	70	67	66	75	70	65	69.4
Santuck	Maximum ...	89	92	96	92	89	88	80	78	81	87	89	90	89	81	78	85	88	90	89	91	89	88	86	84	85	90	85	90	80	87	90	87.0
	Minimum....	64	69	68	68	68	67	69	68	68	66	68	69	77	74	67	71	72	73	72	72	70	69	70	70	70	71	67	72	70	70	68	69.6
Spartanburg §§	Maximum ...	85	91	91	91	89	87	80	72	81	83	88	89	90	82	79	83	86	87	87	88	89	88	85	85	87	90	86	91	86	86	91	86.3
	Minimum....	67	68	69	68	68	66	68	67	67	68	66	69	69	71	69	71	71	71	69	69	71	71	70	69	68	70	67	68	71	68	69	68.8
Trenton	Maximum ...	92	90	91	90	87	87	77	80	82	84	86	91	89	88	87	86	85	90	90	88	86	81	76	82	84	78	84	90	86	88	88	85.9
	Minimum....	70	67	67	70	70	70	68	67	68	68	68	70	70	71	71	70	70	70	71	71	71	72	70	70	70	70	68	67	70	70	71	69.5
White Oak	Maximum ...	90	92	92	92	90	88	83	77	78	87	90	92	94	78	80	86	91	91	90	92	90	89	80	87	89	87	87	91	86	88	88	87.6
	Minimum....	65	70	69	69	68	67	68	67	68	70	68	70	70	70	70	72	71	70	69	70	72	69	68	70	71	71	69	69	71	70	68	69.3
Winthrop College	Maximum ...	84	89	92	89	85	85	84	83	75	85	87	85	92	80	75	78	82	87	87	88	76	76	84	77	79	80	83	84	82	79	83	83.0
	Minimum....	67	71	67	69	69	65	67	68	65	71	70	70	70	71	70	70	71	71	68	70	71	70	69	69	70	71	66	67	71	70	69	68.9

Reference letters (a, b, c), appearing in the table indicate number of days missing: For example, ^{b} represents two days missing, etc.
Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Comparative Precipitation Data for July, 1916, and all Previous Months of Record.

STATIONS	Total, July, 1916.	Previous monthly record			Greatest 24-hour rainfall, July, 1916.	Previous 24-hour record		
		Greatest.	Month.	Year.		Greatest.	Month.	Year.
Eastern Portion.								
Allendale	13.75	17.90	Aug...	1898	3.11	7.45	Aug...	1898
Beaufort	......	24.68	Aug...	1898	....	10.82	Aug...	1898
Blackville	13.63	13.62	July ..	1887	2.00	4.93	June..	1906
Bowman	14.88	12.30	March	1913	2.76	5.19	Aug...	1906
Centenary	16.23	13.58	Aug...	1915	6.75	3.94	May ..	1915
Charleston	11.61	19.18	Aug...	1885	4.19	9.55	Oct. ..	1876
Cheraw	15.87	14.41	Aug...	1893	9.38	6.50	July ..	1904
Conway	13.23	11.85	May ..	1915	2.60	5.15	May ..	1915
Darlington	19.83	12.38	June..	1907	10.10	8.00	Sept. .	1905
Dillon	13.79	10.89	June..	1911	7.60	3.69	Aug...	1908
Edisto	14.41	13.40	June..	1906	2.20	3.90	June..	1907
Effingham	24.95	15.44	Aug...	1893	13.25	4.70	Sept. .	1904
Ferguson	27.33	15.35	Aug...	1893	7.52	6.74	Aug...	1893
Florence No. 1	18.05	14.17	Aug...	1893	9.15	4.65	Aug...	1901
Georgetown	20.25	18.45	Aug...	1893	4.75	6.00	[a]Sept..	1894
Kingstree	31.13	13.96	Aug...	1891	12.60	3.60	Oct. ..	1913
Mayesville (near)	19.24	15.55	May ..	1915	6.52	5.55	May ..	1915
Oaks	16.80	10.20	May ..	1915	8.95	4.43	May ..	1915
Pinopolis	21.22	18.88	Aug...	1893	8.50	9.13	Aug...	1899
Rimini	14.22	9.90	July ..	1914	2.80	2.95	July ..	1914
St. George	21.89	20.45	Aug...	1893	5.50	4.35	Sept. .	1907
St. Matthews	10.26	18.25	June..	1903	1.72	4.93	Oct. ..	1911
Society Hill	19.43	12.26	Aug...	1894	8.94	7.17	Aug...	1894
Summerville	17.50	15.42	Aug...	1899	5.24	4.95	June..	1900
Walterboro	......	12.42	June..	1906	....	4.85	Aug...	1904
Yemassee	13.08	12.64	June..	1906	5.53	4.75	Sept. .	1907
Western Portion.								
Aiken	8.47	12.87	Oct. ..	1911	1.17	6.10	Aug...	1909
Anderson	11.27	18.39	Aug...	1908	1.99	11.65	Aug...	1908
Batesburg	10.48	13.06	Aug...	1893	2.18	3.53	Aug...	1906
Blairs	13.36	9.88	Aug...	1908	1.25	4.90	June..	1909
Calhoun Falls	15.22	14.89	July ..	1905	1.72	7.00	July ..	1905
Camden	14.89	14.75	Aug...	1878	3.10	9.05	Aug...	1908
Catawba	15.55	13.04	Aug...	1908	6.60	3.90	June..	1909
Chappells	7.86	8.78	Aug...	1913	1.75	4.75	March	1912
Clemson College	8.46	14.29	June..	1906	1.64	4.74	July ..	1908
Columbia	7.58	12.17	July ..	1898	2.26	4.90	Sept. .	1901
Edgefield	5.73	9.19	July ..	1914	1.70	2.30	July ..	1914
Gaston Shoals	17.65	9.23	Dec...	1914	6.42	2.77	Dec...	1915
Greenville	12.12	19.52	Aug...	1908	3.50	7.10	Aug...	1908
Greenwood	10.79	15.72	July ..	1896	3.06	5.70	July ..	1896
Heath Spring	11.79	12.15	Aug...	1903	5.27	6.50	Aug...	1903
Kershaw	10.79	9.19	June..	1916	5.73	4.69	June..	1916
Landrum	20.80	8.89	Jan...	1915	3.10	3.37	Dec...	1915
Liberty	10.69	16.26	May ..	1910	3.04	6.90	May ..	1910
Little Mountain	13.03	11.38	July ..	1896	2.26	5.42	July ..	1896
Meriwether	9.08	9.82	Dec...	1905	1.74	4.00	Dec...	1905
Monetta	8.03	10.99	Aug...	1908	2.32	4.14	Feb...	1910
Mountain Rest	24.45	10.08	Dec...	1915	4.98	3.70	May ..	1916
Newberry	12.22	9.54	June..	1910	3.10	4.55	Nov. .	1912
Pelzer	12.04	11.42	June..	1909	1.84	5.46	March	1912
Saluda	7.79	10.60	June..	1910	1.10	3.70	Nov. .	1912
Santuck	10.23	14.69	Aug...	1908	3.16	6.74	Aug...	1908
Spartanburg	15.48	15.66	Aug...	1901	4.50	5.15	May ..	1910
Trenton	7.91	14.76	July ..	1906	2.56	6.07	Aug...	1893
Walhalla	14.53	14.37	Sept. .	1906	3.01	8.00	July ..	1905
White Oak	16.05	[b]13.32	Aug...	1908	6.02	[b]6.25	May ..	1901
Winthrop College	15.65	12.28	Aug...	1908	4.00	5.08	Aug...	1908

[a] Also October, 1906. [b] Winnsboro.

Comparative Crest Stages of Rivers of South Carolina, Current Month and Past Records.

STATIONS.	WATERSHEDS.	Flood Stage.	Crests of July, 1916, Floods.	Number of Days in Flood.	Highest Previous Crests of Record.	No. of Flood days Previous Floods.
		Ft.	Ft.		Ft.	
Augusta, Ga.	Savannah	32	28.2	0	38.8	3
Blairs	Broad	14	36.5	6	31.1	4
Calhoun Falls	Savannah	15	10.0	0	28.2	1
Camden	Wateree	24	43.0	16	39.7	5
Catawba	Catawba	11	40.4	9	28.4	5
Chappells	Saluda	14	18.8	11	34.7	4
Cheraw	Great Pee Dee	27	36.4	11	44.3	5
Columbia	Congaree	15	31.5	6	35.8	5
Conway	Waccamaw	7	9.2	[a]22	10.2	15
Edisto	Edisto	6	6.8	[a]5	8.5	....
Effingham	Lynches	11	18.7	[a]18	20.0	6
Ferguson	Santee	12	24.7	[a]37	23.7	22
Kingstree	Black	12	15.5	[a]19	14.5	....
Mt. Holly, N. C.	Catawba	15	45.5	3	23.0	....
Pelzer	Saluda	7	14.0	10	25.6	3
Rimini	Santee	12	35.8	[a]35	33.8	20

[a]—Completed from August records.

Chart Showing Total Precipitation During July, 1916.

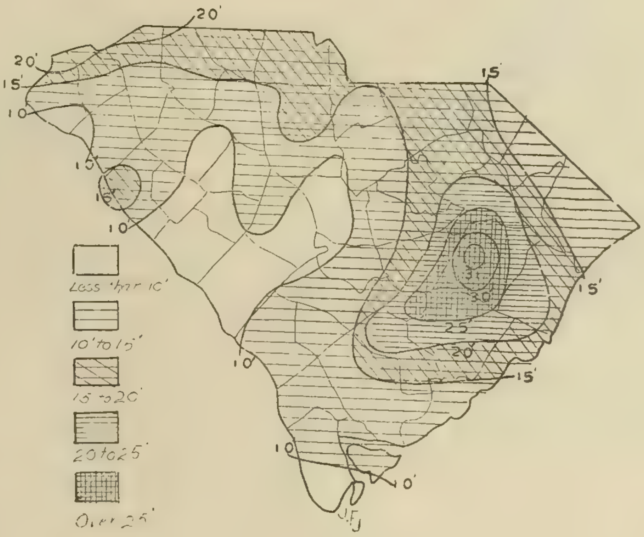
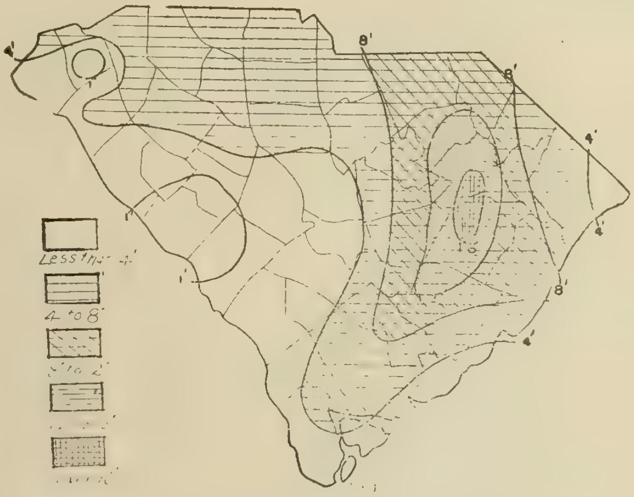


Chart Showing Total Precipitation During Period, July 14 to 18, 1916.



RIVER CONDITIONS.

(Continued from Page 51.)

July floods were maintained by runoff through the Broad and Catawba-Wateree rivers, while the Saluda was in moderate flood only. Under pressure of the enormous volume of water pushing into the Santee, heavy steel railroad and highway bridges were washed away, and crops were damaged to such an extent that the loss will probably never be fully known. The Pee Dee System was also in flood, due to a part of the same series of rains, and the damage was particularly severe in the Lynches and Black basins, which were overflowed by the heavy up-State runoff in addition to the damage by storm.

In the Santee System the flood area ranged from about 5,000 feet in width in the lower Catawba to a width of 3 to 5 miles in the Santee basin. The damage by floods in the Santee and Pee Dee systems, comprising bridges, roads, crops, etc., at this writing, is conservatively estimated at about $10,300,000, while movable property estimated at a value of about $400,000 was saved by timely warnings of the Weather Bureau. In the aggregate, about $3,200,000 represents the damage in South Carolina, and approximately 700,000 acres of crops were affected.

A table of comparative data for the July, 1916, flood and for previous floods will be found elsewhere in this number, in addition to charts showing the distribution of rainfall for the month and during the period, 14th to 18th.

MISCELLANEOUS PHENOMENA.

Fog, Dense (dates).—Blairs, 31; Centenary, 6; Columbia, 28; Gaston Shoals, 27, 28, 30, 31; Landrum, 19, 20; Liberty, 25, 26, 27, 28; Mayesville (near), 11, 12, 26; Pelzer, 20; Society Hill, 12.

Hail (date).—Summerville, 1.

Halo (dates).—Solar: Mayesville (near), 31; Santuck, 6.

Tornado (dates).—Landrum, 15, with little damage and no lives lost; Santuck, 15, unroofed dwelling, with other minor loss.

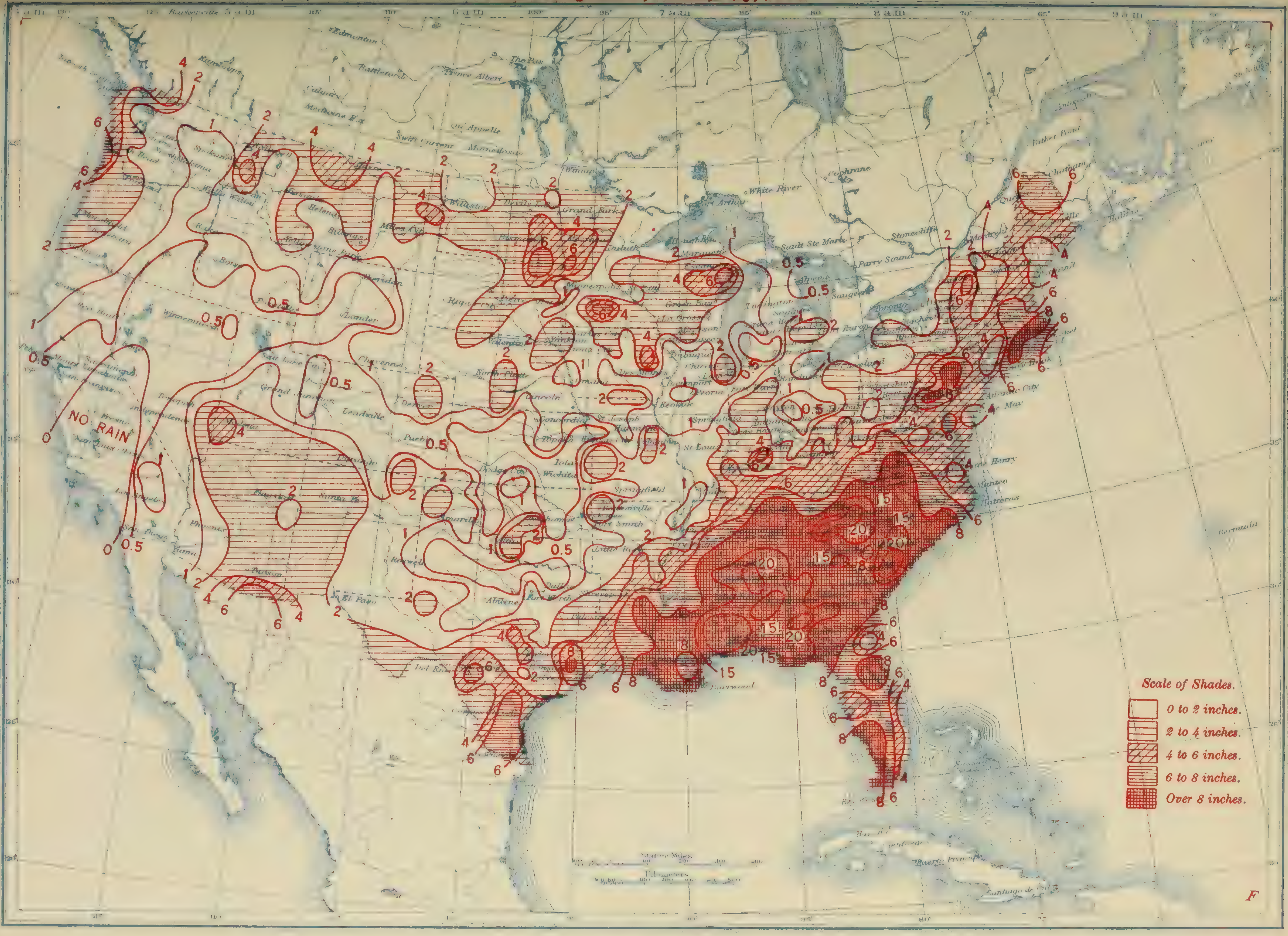
ERRATA, JUNE, 1916.

Centenary.—Total precipitation, Pages 44 and 45, should be 3,00.

MISCELLANEOUS DATA FOR JULY, 1916.

Stations.	Barometer—sea level.	Temperature—degrees Fahr.			Precipitation—inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity—miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C.	29.99	72.2	84	61	9.28	2.38	6.0	se.	91	82	31
Augusta, Ga.	29.98	79.2	92	69	8.25	1.48	5.7	se.	87	84	36
Charleston, S. C.	30.00	79.1	93	68	11.61	4.19	11.2	s.	82	80	56
Charlotte, N. C.	30.01	76.0	89	64	16.55	5.04	9.4	s.	90	80	60
Columbia, S. C.	30.00	78.8	92	70	7.58	2.26	6.7	e.	86	76	34
Savannah, Ga.	30.00	79.4	93	68	8.27	1.91	10.6	se.	85	84	45
Wilmington, N. C.	30.03	78.1	92	66	10.83	4.94	7.3	s.	85	85	49
Means and extremes	30.00	77.5	93	61	10.34	5.04	8.3	se.	87	81	44

Total Precipitation, Inches, July, 1916.



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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

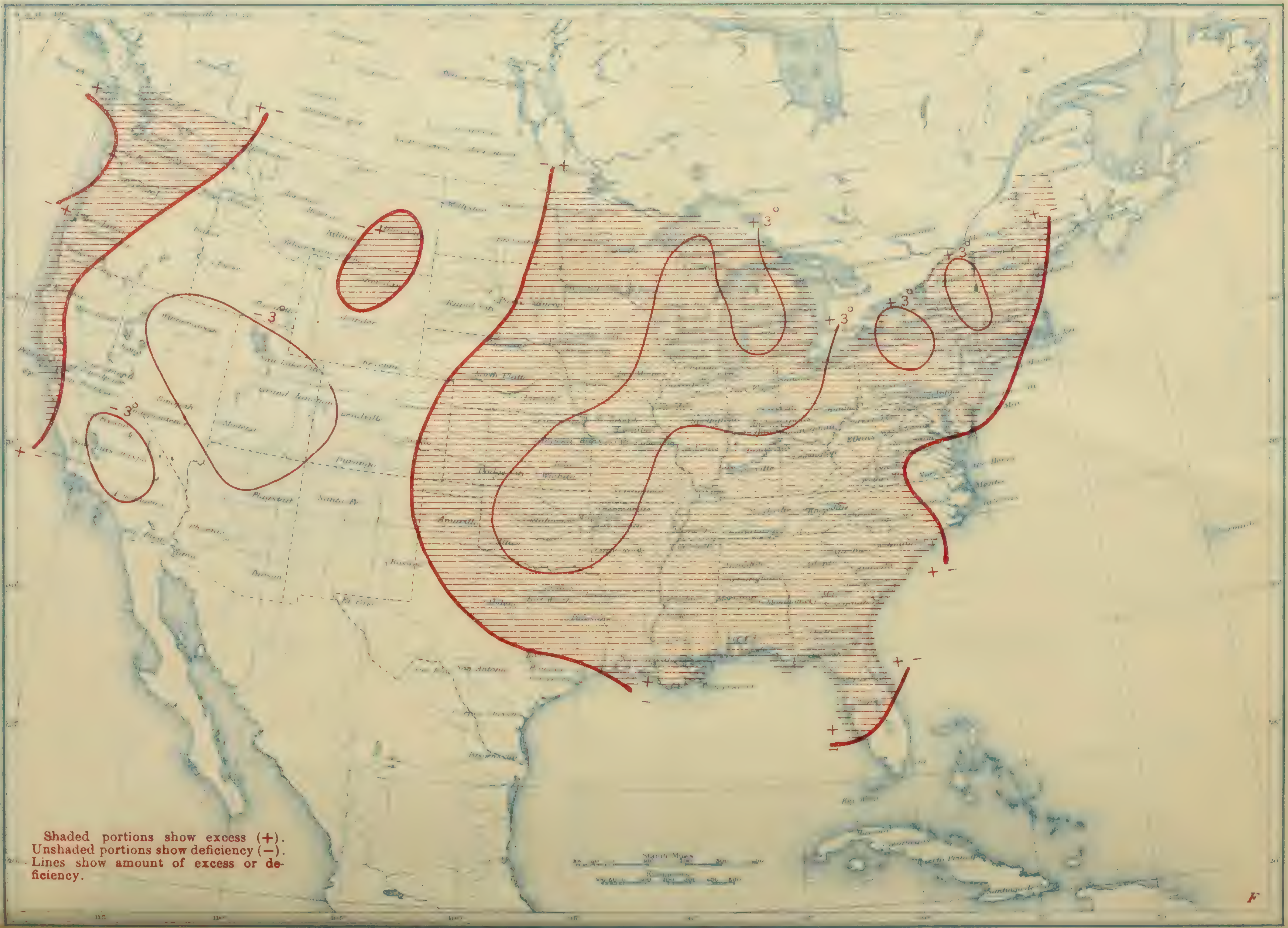
SOUTH CAROLINA SECTION

AUGUST, 1916

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
October 7, 1916.

Departure of the Mean Temperature from the Normal, August, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

Vol. XIX. Columbia, S. C., August, 1916. No. 8.

GENERAL SUMMARY.

In direct contrast to the storm stress and excessive precipitation of the preceding month, August, 1916, was exceptionally dry; in fact, the average rainfall of the month was close to the lowest August record. While there were no marked extremes of temperature, thermal conditions ranged above the seasonal average. Although intermittent showers continued during the first half of the month, crop conditions improved materially until about the 15th, but the succeeding dry weather caused general deterioration of all staple crops, except early corn and forage. Cotton was in various stages of advancement, due to drought and irregular germination in early season, wet weather in midsummer, and recurring drought during the current month; the early crop opened prematurely, and picking began much earlier than usual; the intermediate and late crops were shedding considerably and fruiting but slowly, with much less middle yield than usual; however, a late season will increase the yield beyond expectations. Early corn was in good condition at the close of the month, but the late crop was poor. Sweet potato tubers are apparently not in proportion to the vigorous vine growth. Tobacco has about all been gathered and sold. The weather was especially favorable for harvesting good hay, fodder and other forage crops. Preparation of fall and winter gardens and truck was in progress at the close of the month.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.03 inches. The highest pressure in the region covered by reports was 30.24 inches at Savannah, Ga., on the 11th, and in the Section proper, 30.23 inches at Charleston on the same date; lowest pressure, 29.77 inches at Columbia on the 24th.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 41 stations, was 79.6°, or 0.8° above the established normal. The highest temperature of the month was 100° at Florence No. 1, Florence Co., on the 16th and at Blackville, Barnwell Co., on the 17th. The warmest periods of the month were generally between the 11th and 13th and on the 15th and 16th, but a number of stations recorded high temperatures on various dates during the latter part of the month. The lowest temperature was 58° at Mountain Rest, Oconee Co., on the 25th. The coolest weather of the month occurred generally between the 19th and 22d and at the close of the month.

HUMIDITY.

The mean relative humidity, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 86%; 8 p.m. 77%. The highest percentages occurred over the extreme eastern, southern and northwestern counties, and the lowest, in a narrow belt extending from middle Georgia to the Congaree watershed and thence to the middle coast.

PRECIPITATION.

The average for the Section, 57 stations reporting, was 3.27 inches, or 2.99 inches below the established normal. In time, precipitation was confined principally to the first 15 days and the last week. On the whole, the showers were spasmodic and were generally light in quantity, except in Berkley Co., where the rains were frequent and intermittently heavy. Over the middle and lower coastal plains and in portions of the upper Savannah and lower Catawba watersheds, the amounts ranged from 4 to over 10 inches, while over a broad belt extending from middle Georgia to middle North Carolina the measurements were below normal and ranged downward to less than 2 inches. The greatest local monthly amount was 10.91 inches at Pinopolis, Berkely Co.; least local monthly amount, 1.15 inches at Mayesville (near), Sumter Co. The greatest 24-hour rainfall at any station was 4.16 inches at Pinopolis, Berkeley Co., on the 28th. The average number of rainy days was 27% below normal.

WIND.

The prevailing winds were from the southwest. The average hourly velocity, determined from 7 anemometer records, was 6.7 miles. The highest average velocity in the region covered by reports was 9.4 miles per hour at Savannah, Ga., and in the Section proper, 8.7 miles per hour at Charleston; lowest average, 4.4 miles per hour at Augusta, Ga., and in the Section proper, 5.8 miles per hour at Columbia. The highest velocity for any 5-minute period was 48 miles per hour from the east at Savannah, Ga., on the 28th, and in the Section proper, 31 miles per hour from the northeast at Charleston on the 25th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 264.7 hours, or 64% of the possible amount. The average number of clear days was 16; partly cloudy, 10, and cloudy, 5, as against normals of 12, 12, and 7 days, respectively.

RIVER CONDITIONS.

The runoff of the July rains maintained flood stages in the several rivers until the following dates: Black River, 5th; Edisto River, 3d; Lynches River, 4th; Santee River, 19th; Waccamaw River, 14th. At the close of the month all rivers of the Section were uniformally low.

MISCELLANEOUS PHENOMENA.

Earthquake (date).—Summerville, 14, 1:18 p.m.; slight tremor.

Fog (dates).—Centenary, 4, 6, 15, 18, 22, 26; Darlington, 18, 22; Landrum, 1, 6; Liberty, 1; Mayesville (near), 7, 18, 22; Pelzer, 1; Rimini, 4, 6, 7, 22, 27; Santuck, 3, 6; Society Hill, 6, 7. 8, 26, 27, 28, 31.

Halo (date).—Solar: Santuck, 11.

Hail (date).—Darlington, 25; Monetta, 27.

MISCELLANEOUS DATA FOR AUGUST, 1916.

Stations.	Barometer—sea level.	Temperature degrees Fahr.			Precipitation—inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity—miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.04	72.6	87	56	2.80	1.11	5.1	nw.	93	80	39
Augusta, Ga.......	30.02	81.1	95	65	2.20	0.90	4.4	se.	85	71	63
Charleston, S. C...	30.03	81.8	97	71	3.10	1.20	8.7	sw.	79	78	75
Charlotte, N. C ...	30.03	77.6	93	60	2.70	1.04	7.6	ne.	87	75	74
Columbia, S. C....	30.03	80.2	85	64	4.87	2.00	5.8	ne.	85	70	61
Savannah, Ga.....	30.03	81.5	97	68	7.49	2.32	9.4	se.	85	82	65
Wilmington, N. C.	30.03	79.0	95	64	2.36	0.61	6.2	sw.	86	82	70
Means and extremes	30.03	79.1	97	56	3.65	2.32	6.7	se.	86	77	64

Climatological Data for August, 1916.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'n (0.01 in. or more)	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	27	80.4	0	98	†23	62	27	34	1.22	−4.54	0.43	0	5	10	18	3	sw.	R. B. Vance.
Beaufort	Beaufort	21	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Miss Lillian H. Rice.
Blackville	Barnwell	296	27	81.9	+1.3	100	17	62	21	34	2.79	−2.98	0.94	0	6	20	7	4	.....	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	15	79.6	+0.2	95	†13	60	20	32	4.08	−1.84	1.85	0	9	18	12	1	w.	B. O. Evans.
Centenary	Marion	43	1	79.8	.....	97	16	60	20	35	3.04	.....	1.33	0	7	11	16	4	sw.	D. L. Carmichael.
Charleston	Charleston	48	45	81.8	+1.5	97	13	71	30	18	3.10	−3.87	1.20	0	9	16	10	5	sw.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	26	78.8	+0.2	96	†12	60	†20	33	1.85	−4.54	0.53	0	10	.....	.....	.....	.....	J. H. Powe.
Conway	Horry	25	30	78.4	−0.9	92	16	62	21	22	3.42	−3.64	1.78	0	5	19	1	11	sw.	Paul Quattlebaum.
Darlington	Darlington	175	21	80.1	+1.3	96	†12	61	20	33	1.52	−3.43	0.38	0	10	9	9	13	.....	D. C. McCall.
Dillon	Dillon	100	13	^{b}78.8	−0.1	^{b}94	†12	^{b}63	†14	^{b}30	3.29	−1.72	1.08	0	8	.....	.....	.....	.....	A. E. Rowell.
Edisto ‡‡	Bamberg	143	28	.....	.....	.....	.....	.....	.....	.....	5.34	−1.00	2.89	0	11	.....	.....	.....	.....	Nathan Jenkins.
Effingham	Florence	106	23	.....	.....	.....	.....	.....	.....	.....	2.37	−4.04	0.63	0	8	.....	.....	.....	.....	H. B. McCall.
Ferguson	Orangeburg	63	30	.....	.....	94	†11	.....	.....	.....	3.29	−4.04	1.70	0	9	.....	.....	.....	.....	Joseph P. Simons.
Florence 1	Florence	136	27	81.6	+1.3	100	16	63	†14	36	3.38	−2.07	1.94	0	7	15	13	3	sw.	H. K. Gilbert.
Florence 2	.....do	136	1	.....	.....	.....	.....	.....	.....	.....	3.53	−1.92	2.12	0	8	19	10	2	s.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	21	82.4	+2.3	99	24	65	†19	30	2.60	−4.44	1.20	0	5	14	16	1	w.	A. P. Hazard.
Kingstree	Williamsburg	54	27	80.9	+1.1	96	†11	63	20	29	3.56	−3.28	1.11	0	10	22	2	7	ne.	A. O. Matthews.
Mayesville (near)	Sumter	70	1	80.0	.....	97	28	60	20	29	1.15	.....	0.62	0	7	14	11	6	s.	Lewis E. Warren.
Oaks	Georgetown	.....	1	^{a}81.5	.....	^{a}95	†16	^{a}61	21	^{a}33	3.21	.....	1.48	0	10	7	16	8	s.	O. M. Mitchell.
Pinopolis **	Berkeley	54	66	78.4	+0.5	92	†16	68	30	.....	10.91	+3.82	4.16	0	14	7	9	15	w.	Miss E. P. Ravenel.
Rimini	Clarendon	97	2	.....	.....	.....	.....	.....	.....	.....	6.22	.....	1.76	0	10	.....	.....	.....	.....	William B. Wolfe.
St. George	Dorchester	109	27	81.6	+1.7	99	24	67	†20	26	6.31	−0.17	1.88	0	10	13	5	13	ne.	R. S. Weeks.
St. Matthews	Calhoun	62	20	81.4	+2.1	99	†12	63	†20	31	4.53	−1.20	2.00	0	6	15	14	2	ne.	J. S. Wannamaker.
Society Hill	Darlington	192	24	80.0	+1.6	98	16	60	†14	34	2.19	−3.77	0.53	0	12	14	9	8	.....	T. S. Lucas.
Summerville	Dorchester	75	18	80.6	+1.3	95	†16	65	20	25	2.79	−5.23	1.28	0	7	5	25	1	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. A. Westerberg.
Whitehall (near)	.....do	4	.....	.....	.....	.....	.....	.....	.....	.....	5.96	.....	2.00	0	8	25	4	2	nw.	Special Rice Exp. Station.
Yemassee	Hampton	24	20	79.6	−0.6	96	17	62	†20	27	5.50	−1.19	1.52	0	11	20	2	9	e.	J. G. Hutson.
Division means and extremes				80.4	+0.9	100	†16	60	†14	36	3.74	−2.70	4.16	0	9	15	10	6	sw.	
Western Portion.																				
Aiken	Aiken	527	55	80.6	+0.3	97	17	64	31	28	1.95	−3.79	0.93	0	11	20	8	3	se.	W. M. Brown.
Anderson	Anderson	764	20	^{c}78.6	0	^{c}96	12	62	14	^{c}32	2.38	−3.61	0.61	0	7	23	3	5	w.	H. H. Russell.
Batesburg	Lexington	656	27	78.7	0	93	23	62	21	28	3.43	−2.59	1.18	0	8	17	3	11	sw.	E. J. Hite.
Blairs	Fairfield	293	13	.....	.....	.....	.....	.....	.....	.....	2.81	−1.82	1.10	0	9	.....	.....	.....	.....	J. N. Owens.
Calhoun Falls	Abbeville	508	23	.....	.....	.....	.....	.....	.....	.....	4.53	−0.33	2.07	0	9	.....	.....	.....	.....	L. M. Parker.
Camden	Kershaw	222	56	.....	.....	.....	.....	.....	.....	.....	2.39	−2.99	1.06	0	7	.....	.....	.....	.....	W. C. Brown.
Catawba	York	562	12	.....	.....	.....	.....	.....	.....	.....	2.94	−2.43	1.50	0	7	.....	.....	.....	.....	James C. Faris.
Chappells	Newberry	402	12	.....	.....	.....	.....	.....	.....	.....	1.82	−3.68	1.60	0	2	.....	.....	.....	.....	J. J. Murran.
Clemson College	Oconee	850	24	77.6	−0.1	88	†12	63	31	22	2.31	−3.16	1.43	0	4	18	11	2	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	29	80.2	+0.7	95	16	64	31	24	4.87	−1.91	2.00	0	8	11	12	8	ne.	U. S. Weather Bureau.
Edgefield	Edgefield	.....	2	.....	.....	.....	.....	.....	.....	.....	2.15	.....	0.45	0	8	.....	.....	.....	.....	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	3	.....	.....	.....	.....	.....	.....	.....	2.14	−3.32	0.65	0	9	.....	.....	.....	.....	Harry A. Parshall.
Greenville	Greenville	989	23	79.4	+4.2	98	16	62	†28	34	1.25	−4.83	0.42	0	7	18	11	2	w.	J. H. Woodside.
Greenwood	Greenwood	671	27	78.0	−0.8	94	†13	60	20	28	2.50	−2.96	0.85	0	5	21	0	10	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	15	77.7	−1.7	95	13	60	21	31	2.93	−3.42	1.05	0	8	20	6	5	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	....	78.8	.....	95	†12	59	21	33	2.81	.....	1.24	0	9	26	0	5	e.	John W. Hamel.
Landrum	Spartanburg	1063	1	76.9	.....	94	12	60	21	31	1.53	.....	0.56	0	8	21	6	4	.....	R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	17	78.9	+0.8	94	†12	62	28	29	2.64	−4.12	1.10	0	9	12	14	5	sw.	John T. Boggs.
Little Mountain	Newberry	711	23	80.4	+1.0	96	†13	62	30	27	1.59	−3.71	0.86	0	5	23	6	2	s.	J. M. Sease, M. D.
Meriwether	Edgefield	450	13	.....	.....	.....	.....	.....	.....	.....	1.43	−3.43	1.03	0	2	.....	.....	.....	.....	William S. Middleton.
Monetta	Saluda	400	9	79.8	.....	95	17	63	21	30	4.29	.....	1.56	0	11	7	21	3	sw.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	....	73.8	.....	90	13	58	25	30	6.59	.....	2.00	0	12	21	8	2	.....	J. H. Brown.
Newberry	Newberry	502	13	80.5	+1.1	98	13	62	†21	31	3.16	−2.28	1.85	0	6	2	23	6	sw.	Warren G. Peterson.
Pelzer	Anderson	850	12	.....	.....	.....	.....	.....	.....	.....	3.00	−1.49	1.12	0	5	.....	.....	.....	.....	Joshua Y. Jones.
Saluda	Saluda	536	15	79.8	+0.4	96	13	59	21	34	3.70	−2.17	0.98	0	9	24	3	4	sw.	Mrs. F. V. J. Maxwell
Santuck	Union	512	23	79.5	+1.0	97	†16	60	21	35	2.17	−3.65	0.73	0	8	13	16	2	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	13	^{a}79.4	+1.5	98	†12	^{a}61	30	^{a}31	1.25	−4.40	0.65	0	5	.....	.....	.....	.....	F. P. Robinson.
Trenton	Edgefield	620	27	79.4	−0.2	94	†18	63	20	29	2.23	−4.25	1.02	0	3	22	8	1	w.	Mrs. S. E. Long.
Walhalla	Oconee	1061	13	.....	.....	.....	.....	.....	.....	.....	5.82	−0.20	1.55	0	11	9	17	5	sw.	H. W. Brandt.
White Oak	Fairfield	548	....	80.0	+1.8	96	†12	62	72	28	2.36	−3.21	0.76	0	6	20	7	4	sw.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	17	77.3	−1.3	96	27	62	29	30	4.13	1.68	2.00	0	5	11	17	3	sw.	W. P. Goodman.
Division means and extremes				78.8	+0.3	98	†12	58	25	35	2.88	−2.73	2.07	0	7	17	10	4	sw.	
Section means and extremes				79.6	+.08	100	†16	58	25	36	3.27	−2.99	4.16	0	8	16	10	5	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for August, 1916.

Stations.	Watershed.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Eastern Portion.																																	
Allendale ||||	Savannah							.42		.10	.22				.05																.43		1.22
Beaufort	Coast																																
Blackville ||||	Edisto			.30			.15				.20			.65															.94		.55		2.79
Bowman	do	.42	.58			1.85	.07		.05	.15			.12												T.	.68	T.	T.	T.	.16			4.08
Centenary	Pee Dee		1.33	T.		.58	'02	T.			T.				.26										.06	.09	T.		T.	.70			3.04
Charleston ***	Coast			.06		.02	.76	T.						.04	T.	.30		.31						T.	T.	.33				1.20	.08		3.10
Cheraw ||||	Pee Dee		.27			.08		.04							.51			.09								.01	.01		.28	.03	.53		1.85
Conway ||||	Waccamaw			.53	T.		.13		.20			T.			T.	T.											T.		T.	.78	1.78		3.42
Darlington ||||	Pee Dee		.38	.06	.02	.06		.35						T.	.11		.08									.08	.02				.36		1.52
Dillon	Little Pee Dee		.20	T.				.01			.15		.80													1.08		.05	.22	.78			3.29
Edisto ||||	Edisto			2.89			.28	.21		.03	.20	.23		.33											.10		.05	.90			.21		5.34
Effingham ||||	Lynches		.31	.63				.25		.14																.07	.32			.19	.46		2.37
Ferguson ||||	Santee			.22		.24				.03				.05												.06	.74		.20	.05	1.70		3.29
Florence 1 ||||	Pee Dee		1.94	.07		.07									.23		.17								.25						.65		3.38
Florence 2	do		2.12		.03		.06				T.		T.		.14	.44		.03							.04	T.				.67			3.53
Georgetown	Coast			.89						.20			T.					.15								.25				1.20			2.60
Kingstree ||||	Black			1.11			.10	.05			.06			.40	.12											.87	.05			.20	.60		3.56
Mayesville (near)	do		.02			.05	T.	T.		.33					T.										.01		.11			.62	.01		1.15
Oaks	do		.42	.15	.25	.01		.12	T.						.06										.14				1.48	.54	.04		3.21
Pinopolis	Cooper		.06	.01	1.44	2.70		.05	.33	.03	.06		.22			.07									1.04	.30			4.16	.44			10.91
Rimini ||||	Santee			.08		.55	1.00	.35		.03		.03		1.10	.01												1.76				1.31		6.22
St. George ||||	Edisto			1.88	.57	.40	.83				.66	.05														.15	.01			.06	1.70		6.31
St. Matthews ||||	Santee			.37		.11	.90	.10																			2.00				1.05		4.53
Society Hill ||||	do	.18	.01		.04		.25					.10	.26		.40		.01								.01	.53				.12	.28		2.19
Summerville	Ashley			T.	.04	.66	.24		.06				T.		T.			T.							T.		.29			1.28	.22		2.79
Walterboro	Ashepoo																																
Whitehall (near)	Combahee					1.80			.16					.08											.12	.50		30		1.00	2.00		5.96
Yemassee ||||	do				.14	T.	1.52	.66		.20					.43											1.35	.03		.10	.24	.74	.09	5.50
Western Portion.																																	
Aiken	Edisto	.05				.02			.03	.11	.03			.16	.11				.27								.11	.13		.93			1.95
Anderson	Savannah		.28				.10						.55	.20					.15								.49			.61			2.38
Batesburg ||||	Edisto		T.	.60		.42	.40	.04		T.					.10												.32		1.18		.37		3.43
Blairs ||||	Broad		1.10	.03		.35	.04	.02																	.25		.22			.20	.60		2.81
Calhoun Falls ||||	Savannah		2.07				.41	.46						.42	.33				.21	.09										.31	.23		4.53
Camden ||||	Wateree		.40				1.06			.08				T.											.10		.26	T.		.14	.35		2.39
Catawba ||||	Catawba			.22		.09	1.50								.15			.37											.18		.43		2.94
Chappells ||||	Saluda		1.60			T.													T.												.22		1.82
Clemson College	Savannah		.10			T.		.15		1.43				T.																.63			2.31
Columbia ***	Congaree	.69	1.31	T.	T.	.88	T.							.23										.20		.23		.04		1.29			4.87
Edgefield ||||	Savannah		.45				.40	.10		.30	.30				.10														.20	.30			2.15
Gaston Shoals ||||	Broad		.34	.02		.65	.02	.42							T.		.05								T.	T.			.04	.54	.06		2.14
Greenville ||||	Saluda		.05			T.		.27			.28				.05				.10						.08					.42			1.25
Greenwood ||||	do		1.42					.05											.85											.05	.13		2.50
Heath Spring	Wateree	.32			.18	.34									.11	.08								.09		.76				1.05			2.93
Kershaw	Lynches		.75	.10		.09	.47							T.	.05			.02							.05		.04				1.24		2.81
Landrum	Broad	.09	.08	T.						.20					03		.19						.56	.02						.36			1.53
Liberty	Savannah		.68			.04	.02	.45		.06				.02	T.			.02	.25											1.10			2.64
Little Mountain	Saluda		.42	.04																							.24			.86	.03		1.59
Meriwether	Savannah		T.											1.03					.40														1.43
Monetta	Edisto		.02	.74	T.	.07	.02		.39					.30	.07											.01	.10	1.01	T.	1.56			4.29
Mountain Rest	Savannah				.02	.95	.04	2.00		1.08	.01		.02	.02				.45		.50							1.30				.20		6.59
Newberry	Saluda		1.85			.16	.62	T.	.02					.05														T.		.46			3.16
Pelzer ||||	do		.46								.62														.80					1.06	.06		3.00
Saluda	do		.98		.55	.55					.06			.85					.27										.06	.37	.01		3.70
Santuck	Broad		.12	.20		.73			.20						T.									.08		.01		.11		.72			2.17
Spartanburg ||||	do		T.	T.		.30	T.											T.	.25						.05		.05		T.	.62	.03		1.25
Trenton	Edisto					.46		.75						T.																1.02			2.23
Walhalla	Savannah		.08			1.35	1.00	1.32		.73	.01			.02						.40				.02			.25			.64			5.82
White Oak	Broad	.30	.03			.49	T.								T.										.76			.03		.75	T.		2.36
Winthrop College	Catawba			.50	.72											.15												2.00		.76			4.13

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR AUGUST.

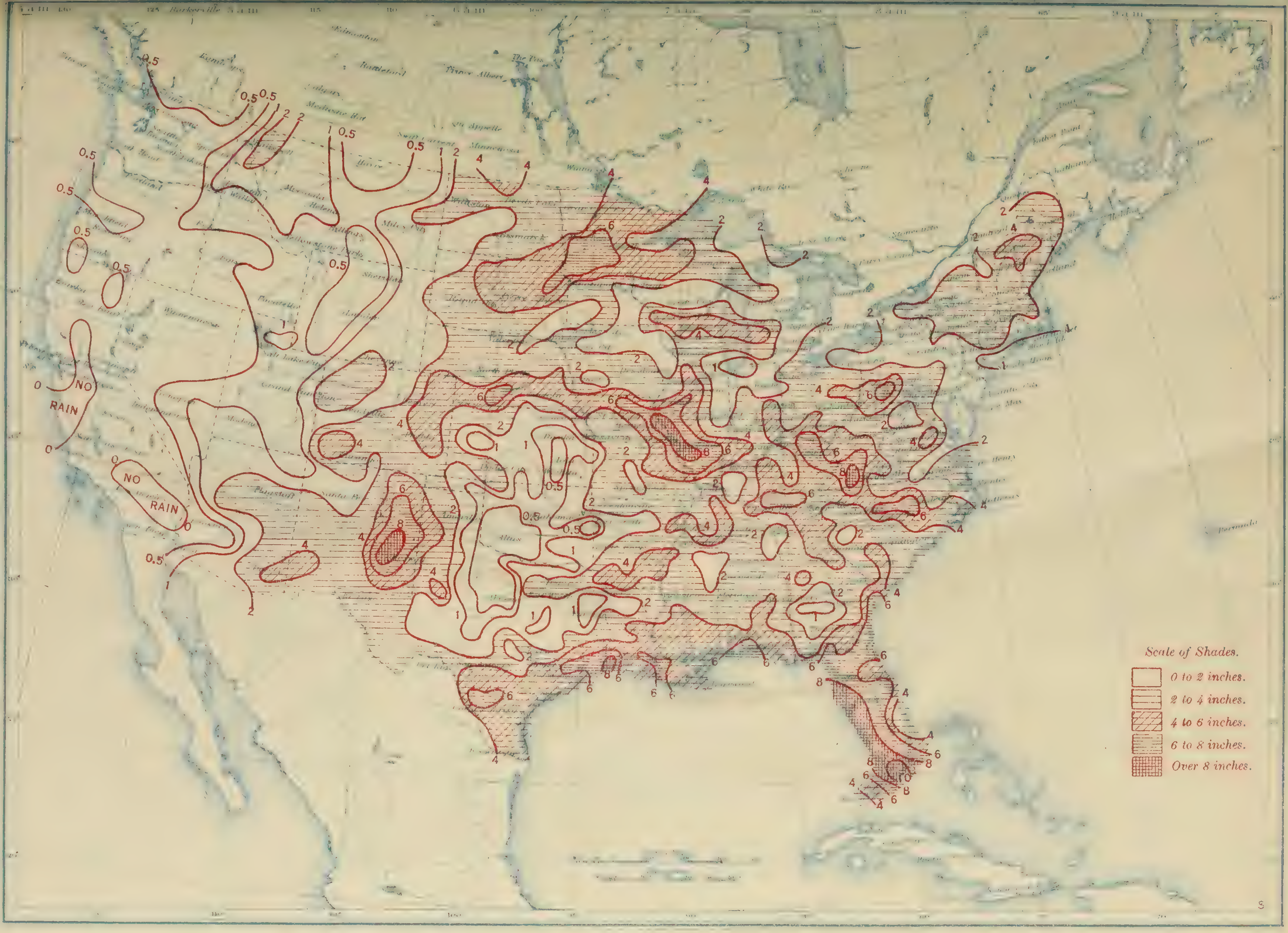
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	77.8	101	49	6.54	11				sw.
1888	77.8	102	50	4.53	10				se.
1889	74.4	97	45	6.37	12				s.
1890	77.1	96	51	4.25	9				sw.
1891	78.9	98	55	8.79					sw.
1892	79.5	96	59	4.42					ne.
1893	77.5	97	57	12.45	13	10	9	12	sw.
1894	77.9	102	55	7.28	11	10	13	8	sw.
1895	79.4	101	55	7.95	13	9	14	8	sw.
1896	80.4	105	52	4.14	7	14	12	5	sw.
1897	78.0	102	57	5.16	9	13	9	9	sw.
1898	78.7	99	57	9.81	18	8	11	12	sw.
1899	81.2	103	59	6.26	10	12	11	8	sw.
1900	83.0	106	60	2.13	5	21	9	1	sw.
1901	78.6	97	57	9.01	15	7	14	10	s.
1902	78.6	104	55	5.67	12	14	10	7	sw.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1903	80.6	105	60	7.15	12	15	9	7	sw.
1904	77.6	102	54	8.47	14	12	9	10	sw.
1905	77.9	107	46	5.69	11	15	8	8	sw.
1906	80.6	100	60	6.62	15	7	17	7	sw.
1907	79.4	101	54	5.41	9	13	13	5	sw.
1908	78.6	100	49	9.11	10	12	11	8	s.
1909	78.8	104	53	4.83	8	15	12	4	ne.
1910	79.0	101	60	6.00	10	11	12	8	ne.
1911	80.0	104	51	6.05	12	10	15	6	sw.
1912	79.2	104	54	3.69	9	16	8	7	sw.
1913	78.9	109	56	3.76	9	15	9	7	sw.
1914	79.0	101	56	5.88	13	9	15	7	sw.
1915	78.8	102	52	7.62	14	11	11	9	sw.
1916	79.6	100	58	3.27	8	16	10	5	sw.
Period	78.8	109	45	6.26	11	12	12	7	sw.

Daily Temperatures for August, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	89	88	87	95	91	88	91	89	90	94	95	94	95	86	95	87	96	92	90	91	92	92	98	98	94	96	97	97	80	79	88	91.4
	Minimum	72	73	72	71	75	72	70	71	70	72	72	76	74	73	73	74	74	74	68	71	64	64	64	64	64	65	62	63	66	67	66	69.5
Beaufort	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Blackville §§	Maximum	91	89	89	93	93	94	94	90	92	95	97	96	94	87	95	98	100	96	97	95	92	98	99	97	97	98	99	97	88	87	89	94.1
	Minimum	71	73	69	70	74	70	71	70	69	72	71	76	71	69	72	73	73	75	66	63	62	65	71	70	71	68	68	67	70	67	63	69.7
Bowman	Maximum	90	90	85	92	91	90	91	90	89	90	93	94	95	92	90	94	95	94	90	89	85	94	95	95	93	91	93	93	90	86	85	91.1
	Minimum	68	69	68	67	68	69	68	69	68	68	68	72	72	73	70	72	71	70	65	60	62	65	68	69	70	68	69	70	68	66	64	68.2
Centenary	Maximum	86	87	86	90	91	90	90	90	89	93	93	95	95	84	90	97	92	91	90	88	88	93	96	95	89	91	95	96	79	82	86	90.2
	Minimum	70	68	70	70	74	73	71	72	71	73	74	76	75	64	68	75	74	68	62	60	63	61	68	72	68	72	68	71	68	67	63	69.3
Charleston	Maximum	88	85	83	87	87	85	86	92	90	95	90	93	97	80	87	96	93	88	88	87	84	87	90	94	86	89	86	91	86	81	84	88.2
	Minimum	74	75	73	76	75	75	78	75	75	78	77	78	79	77	77	78	78	76	74	73	73	76	76	79	71	74	77	76	72	71	74	75.5
Cheraw §§	Maximum	89	74	84	90	92	91	91	89	90	93	94	96	93	80	89	96	89	90	89	90	93	94	95	91	89	92	94	92	68	81	87	89.2
	Minimum	70	70	68	69	72	72	70	71	71	71	74	75	75	61	68	74	72	68	65	60	66	63	67	68	68	68	68	71	68	64	61	68.5
Conway §§	Maximum	82	88	82	88	89	89	83	86	89	88	89	90	89	80	85	92	89	86	85	83	83	86	87	90	82	86	84	83	78	78	81	85.5
	Minimum	70	74	71	73	76	73	73	73	72	75	76	78	77	69	66	76	76	69	64	63	62	64	71	75	73	73	70	74	69	68	66	71.3
Darlington §§	Maximum	87	82	86	92	94	91	92	89	89	94	95	96	95	84	91	96	94	91	96	90	94	91	95	93	87	92	95	95	73	83	88	90.5
	Minimum	70	70	70	70	74	73	70	72	71	74	75	77	76	62	66	75	73	69	65	61	63	64	70	70	68	69	71	73	7	66	63	69.7
Dillon	Maximum	85	82	85	90	...	...	89	89	89	93	92	94	93	80	89	94	90	90	89	88	88	93	93	91	83	89	90	92	75	80	83	b 88.2
	Minimum	71	69	70	70	...	...	72	73	71	73	75	78	64	63	69	74	74	68	65	63	65	63	70	73	67	70	70	73	68	67	64	b 69.4
Ferguson §§	Maximum	87	87	87	92	91	92	90	88	88	92	94	94	94	81	91	94	93	90	89	88	89	92	93	93	89	92	91	92	85	79	85	89.8
	Minimum	71	71	...	...	...	...	...	...	...	...	...	...	...	72	72	...	...	...	75	74	73	74	...	...	...	...	...	...	69	69	69	...
Florence 1 §§	Maximum	89	84	89	95	96	94	94	92	94	97	98	99	99	84	93	100	95	94	93	93	92	97	98	94	88	95	94	99	80	84	85	92.8
	Minimum	70	71	70	71	74	73	72	72	70	72	75	77	76	63	64	74	75	71	67	63	66	66	70	74	68	71	71	73	70	67	65	70.4
Georgetown	Maximum	90	91	91	90	90	90	91	91	92	94	95	98	98	84	91	99	94	95	93	92	91	92	94	99	96	92	93	90	9	89	88	92.2
	Minimum	71	72	72	73	75	73	73	74	73	75	76	78	78	71	73	77	76	76	65	65	67	67	71	76	76	74	71	79	70	67	68	72.6
Kingstree §§	Maximum	88	89	89	93	93	90	92	91	91	95	96	95	95	81	92	96	94	91	90	87	89	94	95	95	90	92	94	94	82	81	87	91.0
	Minimum	70	73	71	72	75	73	72	72	71	74	75	77	74	70	67	74	75	71	67	63	66	65	67	75	67	70	72	74	6	68	66	70.8
Mayesville (near)	Maximum	87	88	87	91	93	92	93	90	89	93	94	95	90	82	92	96	95	91	89	89	88	92	95	97	89	92	95	97	8	82	87	90.8
	Minimum	69	69	70	70	70	71	71	71	68	72	72	76	75	68	70	73	73	70	63	60	63	64	68	70	72	68	70	72	69	67	63	69.3
Oaks	Maximum	85	86	86	89	88	88	89	89	88	92	93	93	94	88	90	95	93	91	89	90	89	92	95	87	...	92	93	92	82	80	85	a 89.5
	Minimum	74	75	75	77	76	79	76	78	77	80	80	80	8	72	79	83	80	79	70	62	61	62	67	70	...	72	68	70	67	68	65	a 73.5
St. George §§	Maximum	88	90	87	95	92	90	91	89	90	93	95	95	98	83	95	97	97	94	91	91	92	95	97	99	92	92	94	98	85	79	87	92.0
	Minimum	69	71	70	71	73	71	72	70	69	71	72	75	75	73	71	73	75	75	69	67	67	70	71	73	73	69	72	73	70	69	67	71.1
St. Matthews §§	Maximum	90	87	85	94	92	90	92	91	94	95	97	99	98	82	95	99	98	94	91	85	87	95	97	97	95	90	94	96	82	79	86	91.9
	Minimum	71	72	71	71	73	72	71	71	70	73	75	76	74	70	71	74	74	75	68	62	63	64	72	72	71	68	72	75	71	67	64	70.8
Society Hill §§	Maximum	91	78	88	93	95	94	95	91	92	97	96	96	94	81	93	98	91	92	89	91	91	95	97	93	92	91	95	95	82	84	86	91.5
	Minimum	70	70	68	68	72	72	71	71	70	72	74	74	75	60	64	74	72	67	64	6	60	62	70	67	67	70	70	73	68	65	61	68.5
Summerville	Maximum	86	87	87	91	89	89	89	87	89	92	93	94	94	89	91	95	94	90	91	89	88	90	92	95	90	89	92	92	81	79	86	89.8
	Minimum	69	71	72	72	72	72	72	72	70	75	73	76	76	74	71	75	75	73	68	65	67	69	70	74	70	69	71	73	70	69	68	71.4
Walterboro	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yemassee §§	Maximum	88	88	88	91	92	88	90	89	90	94	94	94	95	84	93	95	96	93	91	89	89	91	94	95	91	91	91	94	90	77	87	90.6
	Minimum	68	69	70	69	69	70	70	67	66	69	68	70	74	70	69	70	72	74	64	62	62	68	67	69	68	68	68	73	68	68	66	68.5
Western Portion.																																	
Aiken	Maximum	89	91	92	90	93	94	91	88	87	93	93	95	96	88	92	95	97	93	92	90	88	92	95	94	94	91	93	91	90	77	87	91.5
	Minimum	69	70	69	73	73	71	70	69	69	71	71	74	73	71	73	71	72	75	70	67	65	67	70	67	68	68	71	70	65	66	64	69.7
Anderson	Maximum	91	81	78	91	91	87	91	91	89	90	95	96	94	79	82	90	95	...	...	...	...	93	94	93	91	91	95	94	...	84	89	c 89.8
	Minimum	71	68	64	68	71	71	70	68	68	69	71	72	71	62	65	65	65	70	71	69	66	66	68	66	66	66	67	67	62	62	63	67.4
Batesburg §§	Maximum	86	81	84	9	92	88	88	85	86	88	90	92	92	81	89	92	92	90	90	87	87	9	9	90	91	90	91	90	75	76	86	87.8
	Minimum	68	69	70	70	72	80	74	70	70	72	73	75	75	71	71	73	73	73	65	64	62	64	70	65	65	66	70	70	70	65	64	69.6
Camden §§	Maximum	...	...	...	...	...	...	...	...	...	86	87	87	71	76	91	91	91	77	84	89	89	...	...	...	83	8	...	...	76	70	76	...
	Minimum	...	...	...	...	...	...	...	...	70	71	...	...	71	65	66	74	74	74	70	70	70	71	77	74	75	75	76	76	76	69	69	...
Clemson College	Maximum	86	84	79	85	86	85	84	84	83	85	86	88	88	84	87	88	88	86	87	86	85	85	81	84	84	86	86	85	82	79	82	84.8
	Minimum	73	72	70	71	75	72	72	71	73	71	73	75	75	69	69	74	73	76	77	72	64	67	70	68	65	69	67	64	68	66	63	70.4
Columbia	Maximum	89	82	82	91	89	88	90	88	89	92	95	94	94	80	92	95	94	91	91	88	90	92	93	92	9	90	91	93	76	78	86	89.1
	Minimum	71	70	70	72	73	74	73	72	71	74	75	77	75	68	73	74	74	74	70	67	66	69	72	69	71	69	73	74	66	67	64	71.2
Greenville §§	Maximum	94	82	78	94	94	91	89	89	89	90	94	96	96	89	95	98	96	93	95	91	90	9	96	91	92	93	96	96	72	82	89	91.3
	Minimum	69	70	65	66	70	71	71	69	70	69	70	72	70	69	65	69	70	73	68	69	69	64	67	66	66	63	65	62	64	64	62	67.6
Greenwood §§	Maximum	87	78	79	88	89	87	87	86	87	90	91	93	94	81	91	93	94	88	88	87	89	86	90	89	87	91	93	93	71	78	85	87.4
	Minimum	70	69	67	67	70	73	73	71	70	71	72	74	73	71	70	72	72	72	68	66	62	65	67	66	66	66	66	70	70	64	63	68.7
Heath Spring	Maximum	89	87	87	88	84	84	88	85	87	88	91	94	95	88	88	92	89	89	85	86	91	88	85	88	88	89	92	92	80	81	85	87.9
	Minimum	70	67	67	67	67	67	71	70	71	70	70	75	74	63	68	71	71	70	62	62	66	62	67	66	66	65	71	73	64	64	63	67.5
Kershaw	Maximum	90	81	81	91	90	89	90	88	89	92	94	95	93	83	92	95	91	90	90	89	92	92	93	89	89	92	93	94	71	81	86	89.2
	Minimum	70	70	67	67	71	72	72	71	71	72	73	75	75	63	63	71	71	70	64	62	59	67	68	66	68	66	67	63	68	64	63	68.3
Landrum	Maximum	90	74	78	87	88	86	88	88	88	90	92	94	90	80	89	93	90	90	90	8	91	91	89	87	86	92	92	90	75	80	86	87.5
	Minimum	69	68	64	65	64	66	71	66	70	69	72	77	71	61	61	67	69	72	66	67	60	65	66	68	63	67	64	61	62	62	63	66.3
Liberty	Maximum	89	85	75	89	87	88	89	88	86	89	91	94	92	77	91	94	91	90	89	88	91	89	92	89	89	92	93	91	80	84	86	88.5
	Minimum	73	71	68	70	71	71	68	71	72	70	72	72	73	68	68	73	71	74	72	71	63	67	69	68	68	68	67	62	66	66	64	69.3
Little Mountain	Maximum	88	82	82	91	89	88	90	88	87	92	94	94	96	88	94	96	96	93	92	91	92	92	94	92	91	90	96	96	85	76	86	90.4
	Minimum	69	69	67	71	72	73	74	71	71	73	74	73	75	69	72	73	73	76	73	67	69	67	71	69	69	67	72	72	65	62	69	70.5
Meriwether	Maximum	91	90	85	95	94	95	94	...	...	...	...	...	99	86	...	...	...	...	...	...	...	97	90	94	...	...	...	...	...	...	...	...
	Minimum	68	69	70	70	73	73	70	...	...	...	...	...	69	71	...	...	...	...	...	...	...	65	68	66	...	...	...	...	...	...	...	...
Monetta	Maximum	89	81	85	92	90	89	91	89	87	91	93	94	93	83	90	92	95	92	90	89	91	93	94	91	92	91	94	91	83	76	86	89.6
	Minimum	72	70	70	70	74	73	74	70	70	73	72	74	73	70	71	71	74	75	69	66	63	66	69	67	68	68	70	70	67	65	65	70.0
Mountain Rest	Maximum	86	78	84	89	86	85	79	82	82	85	83	89	90	78	86	89	86	89	85	83	85	85	88	88	83	72	81	72	74	80	81	83.3
	Minimum	65	67	6	65	68	61	65	61	67	64	67	69	67	63	63	65	69	72	68	65	59	66	64	61	58	61	63	65	60	64	63	64.3
Newberry	Maximum	91	84	83	93	91	89	91	90	9	94	95	96	95	89	94	97	96	92	93	91	93	93	95	94	91	92	96	97	80	79	86	91.3
	Minimum	71	70	68	70	74	74	73	71	71	74	73	75	75	70	72	71	73	74	66	66	62	65	67	67	68	68	70	70	66	65	62	69.7
Saluda	Maximum	90	84	90	90	90	90	91	91	90	92	93	95	96	91	92	94	95	91	91	9	92	93	94	93	93	93	94	95	80	80	90	91.1
	Minimum	70	69	69	72	73	72	71	70	71	71	70	74	72	70	69	70	71	73	78	63	59	61	66	64	63	66	68	67	66	65	60	68.5
Santuck	Maximum	91	80	83	91	91	88	90	89	89	92	94	95	95	95	95	97	95	91	90	89	94	95	96	93	90	92	97	97	80	78	87	90.6
	Minimum	71	70	65	68	71	73	72	70	70	70	72	73	73	67	69	71	71	73	66	65	60	65	65	67	68	67	69	68	63	64	64	68.4
Spartanburg §§	Maximum	91	78	94	92	90	89	91	90	91	92	96	98	93	82	96	98	95	92	91	90	94	95	93	92	89	94	94	94	67	79	89	90.6
	Minimum	71	70	...	66	70	71	72	70	71	70	72	73	72	69	63	70	71	73	69	70	63	64	67	69	67	64	68	65	64	61	64	a 68.3
Trenton	Maximum	86	84	86	90	89	89	88	86	85	89	91	92	92	82	89	92	93	94	92	90	90	91	92	89	91	92	94	92	81	86	86	89.1
	Minimum	70	69	70	70	74	73	70	70	70	71	74	74	72	70	71	74	74	74	74	63	64	65	70	67	69	67	69	70	66	65	64	69.8
White Oak	Maximum	90	80	82	92	91	90	92	89	89	92	94	96	95	89	93	96	94	92	93	91	95	94	95	89	91	92	94	95	79	81	86	90.7
	Minimum	69	69	67	69	70	74	73	71	71	72	74	75	74	65	70	72	72	72	67	65	62	67	69	67	68	66	71	71	64	64	65	69.2
Winthrop College	Maximum	84	85	77	83	91	85	85	87	84	86	88	89	86	85	80	90	90	88	84	85	85	87	87	86	84	86	96	80	80	76	78	85.4
	Minimum	71	69	65	68	68	73	73	71	74	80	70	74	73	65	70	70	76	72	64	65	65	70	65	70	67	66	68	68	62	67	65	69.2

§§ Reference letters (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.
Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
NO RAIN
5

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CLIMATOLOGICAL DATA

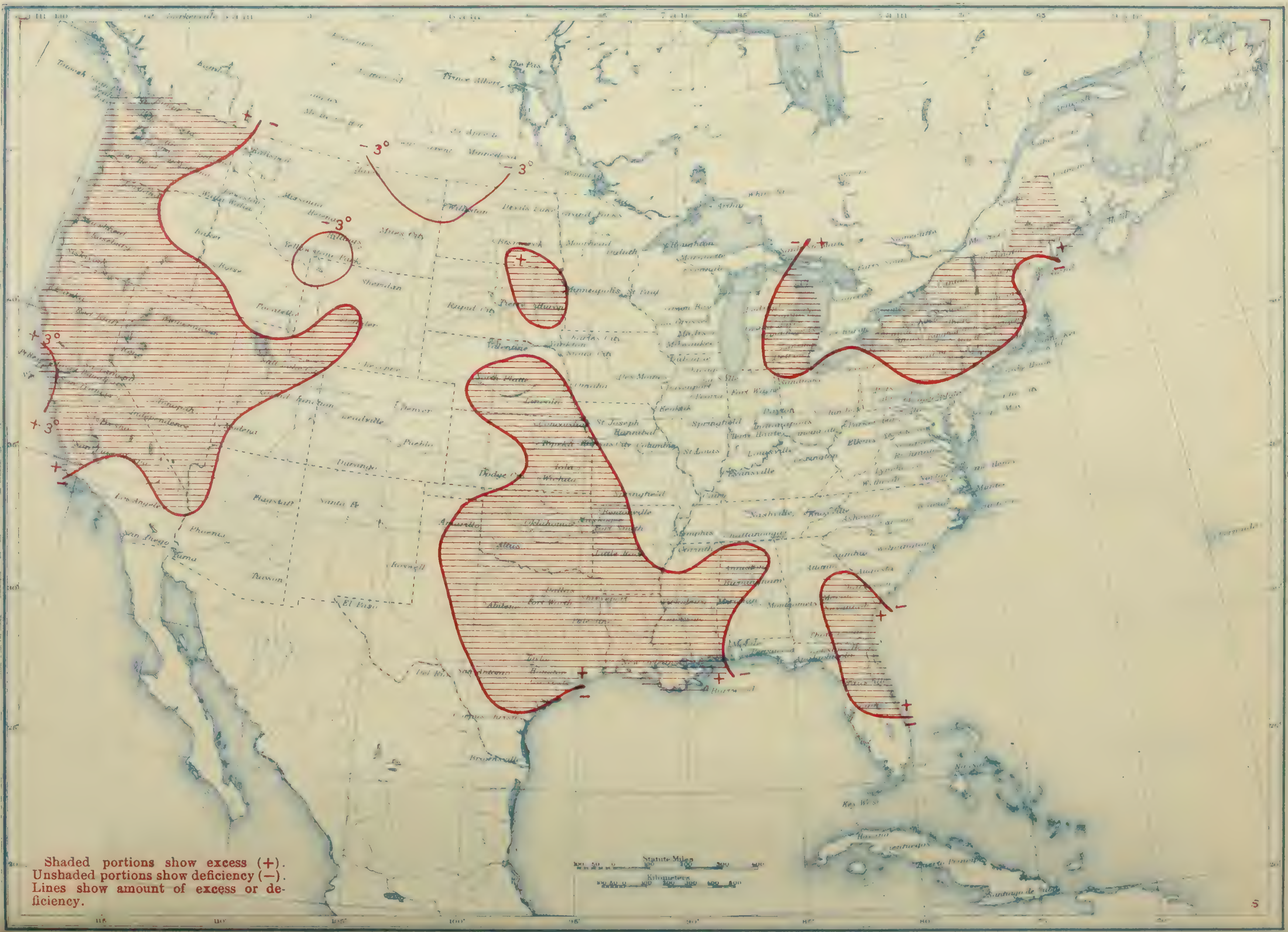
SOUTH CAROLINA SECTION

SEPTEMBER, 1916

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
November 10, 1916.

Departure of the Mean Temperature from the Normal, September, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

VOL. XIX. COLUMBIA, S. C., SEPTEMBER, 1916. No. 9.

GENERAL SUMMARY.

Precipitation during September averaged considerably below normal. While the temperatures for the month as a whole ranged below the seasonal average, there were no marked extremes, and thermal conditions showed a decided improvement over the excessive heat of September last year.

Irregular germination in early season, succeeded by drought and storm stress, resulted in various stages of advancement for the cotton crop, which was about 15 days late on the whole toward the close of the season. Persistent dry weather since the exceptionally heavy rains of July caused the early crop to open much earlier than usual, and picking, ginning, and shipping were practically at a maximum. The late crop needed warm weather and timely rains for satisfactory development, as well as a late autumn, free from frost; low temperatures near the close of the month materially checked the desired development, however. These conditions were reflected on late corn, truck, gardens, forage peas, and pastures, but good crops of fine hay were harvested with but little interruption. Hard soil greatly retarded fall cultivation toward the close of the month.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.06 inches. The highest pressure in the region covered by reports was 30.38 inches at Asheville and Charlotte, N. C., on the 11th, and in the Section proper, 30.33 inches at Columbia on the same date; lowest pressure, 29.75 inches at Augusta, Ga., on the 15th, and in the Section proper, 29.84 inches at Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 41 stations, was 72.2°, or 2.0° below the established normal. The highest temperature was 99° at Greenville, Greenville Co., and Santuck, Union Co., on the 7th. The warmest period was generally on the 6th and 7th. The lowest temperature was 35° at Mountain Rest, Oconee Co., on the 30th. The coolest period was the closing days of the month at a great majority of stations.

HUMIDITY.

The mean relative humidity, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 82%; 8 p.m., 70%. The highest percentages occurred over the extreme northeastern counties, and the lowest, over the north-central region.

PRECIPITATION.

The average for the Seaction, 57 stations reporting, was 2.56 inches, or 1.38 inches below the established normal. Precipitation was unevenly distributed, and marked deficiencies occurred over the north-central counties and over portions of the middle coastal plain, where the amounts were below 2 inches and ranged downward to less than an inch; excess departures were widely scattered and were local in character. Showers were more or less frequent up to the close of the 16th, followed by a long dry period, which was broken by copious rains near the close of the month. The greatest local monthly amount was 6.97 inches at Effingham, Florence Co.; least local monthly amount, 0.50 inch at Georgetown, Georgetown Co. The greatest 24-hour rainfall at any station was 4.06 inches at Effingham, Florence Co., on the 14th. The number of rainy days was 14% below normal.

WIND.

The prevailing winds were from the northeast. The average hourly velocity, determined from 7 anemometer records, was 7.9 miles. The highest average velocity in the region covered by reports was 10.4 miles per hour at Charleston; lowest average, 5.2 miles per hour at Augusta, Ga., and in the Section proper, 6.5 miles per hour at Columbia. The highest velocity for any 5-minute period was 35 miles per hour from the east at Savannah, Ga., on the 10th, and in the Section proper, 31 miles per hour from the northeast at Charleston on the same date.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 271.7 hours, or 73% of the possible amount. The average number of clear days was 17, partly cloudy, 8, and cloudy, 5, as against normals of 15, 9, and 6 days, respectively.

RIVER CONDITIONS.

No damaging rises occurred in any of the rivers of the Section during the month.

MISCELLANEOUS PHENOMENA.

Earthquake (*date*).—Summerville, 4:42 p.m., 24th; slight tremor, intensity 1.

Fog, Dense (*dates*).—Anderson, 15; Bowman, 28; Centenary, 28, 29; Charleston, 25; Cheraw 1, 14, 28; Clemson College, 15, 16; Darlington, 28; Mayesville (near). 29; Pelzer, 15; Rimini, 1, 29; Summerville, 25.

Frost, Light (*date*).—Greenville and Mountain Rest, 30.

Halo (*date*).—*Solar:* Mayesville (near), 26.

MISCELLANEOUS DATA FOR SEPTEMBER, 1916.

Stations.	Barometer—sea level.	Temperature—degrees Fahr.			Precipitation inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity—miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.10	63.9	88	40	1.72	1.18	6.5	nw.	88	69	62
Augusta, Ga.......	30.05	74.1	93	51	3.45	2.28	5.2	ne.	82	73	73
Charleston, S. C...	30.04	75.1	89	54	2.76	1.45	10.4	ne.	81	75	82
Charlotte, N. C ...	30.08	70.0	93	45	0.88	0.36	9.6	ne.	78	58	85
Columbia, S. C....	30.06	73.0	92	48	2.23	1.26	6.5	ne.	80	61	73
Savannah, Ga.....	30.04	75.2	91	54	2.10	1.03	10.2	ne.	82	75	67
Wilmington, N. C.	30.06	72.0	92	51	4.57	2.43	7.0	ne.	84	82	71
Means and extremes.....	30.06	71.9	93	40	2.53	2.43	7.9	ne.	82	70	73

Climatological Data for September, 1916.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on. (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	27	73.4	−2.6	93	† 6	50	30	38	1.63	−2.26	0.80	0	6	12	12	6	ne.	R. B. Vance.
Beaufort	Beaufort	21	29																	Miss Lillian H. Rice.
Blackville	Barnwell	296	27	74.6	−1.2	97	† 7	46	†21	40	2.05	−2.32	1.40	0	4	19	3	8		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	15	72.8	−2.4	96	7	46	21	40	3.66	+0.20	2.05	0	7	21	6	3	w.	B. O. Evans.
Centenary	Marion	43	1	^{a}72.0		^{a}96	7	^{a}48	30	^{a}39	4.38		1.39	0	9	15	10	5	ne.	D. L. Carmichael.
Charleston	Charleston	48	45	75.1	−1.1	89	7	54	30	23	2.76	−2.70	1.45	0	8	19	9	2	ne.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	26	72.4	−0.9	97	7	48	†21	40	1.25	−2.37	0.65	0	5					J. H. Powe.
Conway	Horry	25	30	^{a}70.2	−4.6	^{a}88	6	^{a}50	30	^{a}25	2.31	−2.54	0.64	0	6	19	4	7	w.	Paul Quattlebaum.
Darlington	Darlington	175	21	72.2	−2.1	95	7	46	30	40	0.90	−2.93	0.22	0	7	19	5	6		D. C. McCall.
Dillon	Dillon	100	13	^{d}71.6	−3.2	^{d}92	7	^{d}47	30	^{d}38	4.52	+0.31	1.39	0	6					A. E. Rowell.
Edisto ‡‡	Bamberg	143	28								1.04	−2.61	0.54	0	4					Nathan Jenkins.
Effingham	Florence	106	23								6.97	+3.45	4.06	0	9					H. B. McCall.
Ferguson	Orangeburg	63	30			^{d}92	7				1.90	−1.90	1.44	0	4					Joseph P. Simons.
Florence 1	Florence	136	27	72.8	−2.0	97	7	47	30	37	2.78	−1.33	1.12	0	8	18	10	2	ne.	H. K. Gilbert.
Florence 2	do	136	1								2.25	−1.86	1.15	0	4	24	3	3	s.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	21	75.0	−0.9	95	7	51	30	39	0.50	−3.67	0.28	0	3	18	12	0	ne.	A. P. Hazard.
Kingstree	Williamsburg	54	27	72.5	−2.7	92	† 7	49	30	43	5.73	+1.97	2.07	0	8	21	1	8	ne.	A. O. Matthews.
Mayesville (near)	Sumter	70	1	72.4		95	7	47	21	41	4.74		2.35	0	9	16	7	7	e.	Lewis E. Warren.
Oaks	Georgetown		1	72.1		93	7	49	30	40	3.17		1.07	0	9	15	13	2	s.	O. M. Mitchell.
Orangeburg	Orangeburg	264						^{u}48	30											U. S. Fisheries Station.
Pinopolis **	Berkeley	54	66	71.1	−3.1	88	7	52	30		1.30	−3.29	0.32	0	9	10	0	20	ne.	Miss E. P. Ravenel.
Rimini	Clarendon	97	2								1.47		0.70	0	9					William B. Wolfe.
St. George	Dorchester	109	27	74.1	−1.1	97	7	49	30	36	1.49	−2.57	0.42	0	7	21	5	4	nw.	R. S. Weeks.
St. Matthews	Calhoun	62	20	73.4	−1.0	96	7	46	21	37	1.33	−2.31	0.32	0	6	17	11	2	s.	J. S. Wannamaker.
Society Hill	Darlington	192	24	72.3	−0.9	98	7	46	30	36	2.85	−1.17	1.65	0	7	11	14	5	ne.	T. S. Lucas.
Summerville	Dorchester	75	18	73.1	−1.9	91	6	51	30	34	1.76	−2.56	0.86	0	7	7	23	0	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	13																	J. A. Westerberg.
Whitehall (near)	do	4									3.27		1.93	0	4	24	1	5	ne.	Special Rice Exp. Station.
Yemassee	Hampton	24	20	72.6	−3.0	92	† 7	47	30	37	2.24	−2.00	0.72	0	6	21	3	6	ne.	J. G. Hutson.
Division means and	extremes			92.8	−2.2	98	7	46	†21	41	2.63	−1.67	4.06	0	7	17	8	5	ne.	
Western Portion.																				
Aiken	Aiken	527	55	74.2	−2.3	95	7	48	30	35	4.54	+1.27	2.37	0	7	22	4	4	ne.	W. M. Brown.
Anderson	Anderson	764	20					45	30		3.78	+0.23	2.02	0	7	19	3	8	w.	H. H. Russell.
Batesburg	Lexington	656	27	72.2	1.7	92	7	44	21	38	3.00	−0.89	2.21	0	4	22	5	3	n.	E. J. Hite.
Blairs	Fairfield	293	13								2.09	−0.73	0.96	0	5					J. N. Owens.
Calhoun Falls	Abbeville	508	23								2.52	−1.48	1.28	0	3					L. M. Parker.
Camden	Kershaw	222	56					^{a}46	21		1.83	−1.99	0.80	0	4	21	4	5	ne.	W. C. Brown.
Catawba	York	562	12								1.43	−1.78	0.75	0	5					James C. Faris.
Chappells	Newberry	402	12								2.35	−3.15	1.50	0	2					J. J. Murran.
Clemson College	Oconee	850	24	69.9	−2.9	88	7	44	30	32	2.04	−2.18	0.73	0	7	24	3	4	e.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	29	7.30	−0.7	92	7	48	21	34	2.23	−1.22	1.26	0	6	15	11	4	ne.	U. S. Weather Bureau.
Edgefield	Edgefield		2								1.40		1.00	0	2					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	3								2.23	−0.74	1.13	0	3					Harry A. Parshall.
Greenville	Greenville	989	23	71.1	+0.3	99	7	42	30	40	2.63	−1.28	1.47	0	7	16	10	4	ne.	J. H. Woodside.
Greenwood	Greenwood	671	27	70.6	−2.9	94	† 7	45	30	38	3.56	−0.23	2.05	0	4	23	0	7	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	15	71.6	−2.2	93	7	45	30	39	1.21	−1.97	0.71	0	4	9	20	1	w.	J. Marvin Bowers.
Kershaw	Kershaw	500		71.1		94	7	45	30	36	1.86		1.01	0	6	23	1	6	e.	John W. Hamel.
Landrum	Spartanburg	1063	1	69.0		96	7	41	30	37	1.74		0.86	0	5	20	7	3		R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	17	71.4	−1.5	94	7	41	30	35	3.66	−0.40	1.35	0	8	18	11	1	e.	John T. Boggs.
Little Mountain	Newberry	711	23	73.4	−1.6	93	6	45	30	35	3.15	+0.19	2.33	0	4	21	6	3	n.	J. M. Sease, M. D.
Meriwether	Edgefield	450	13	^{g}74.6	−0.3	^{g}98	7	^{g}46	30	^{g}44	2.90	−0.17	2.18	0	2					William S. Middleton.
Monetta	Saluda	400	9	^{a}73.2		94	7	^{a}47	30	^{a}32	2.54		1.13	0	5	12	17	1	ne.	Joseph M. Johnson.
Mountain Rest	Oconee	1380		^{q}67.2		^{q}85	6	^{q}35	30	^{q}39	4.11		1.55	0	7	20	6	4		J. H. Brown.
Newberry	Newberry	502	13	72.8	−2.0	97	7	45	21	38	1.67	−1.36	0.95	0	4	12	16	2	e.	Warren G. Peterson.
Pelzer	Anderson	850	12								3.16	−0.05	1.06	0	5					Joshua Y. Jones.
Saluda	Saluda	536	15	73.3	−1.1	97	† 3	44	25	46	3.75	−0.45	2.97	0	4	23	7	0	ne.	Mrs. F. V. J. Maxwell
Santuck	Union	512	23	71.8	−1.6	99	7	44	30	45	1.61	−1.86	0.81	0	4	18	8	4	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	13	70.3	−2.4	98	7	44	30	41	2.63	−0.95	1.30	0	6					F. P. Robinson.
Trenton	Edgefield	620	27	72.8	−2.5	94	† 8	46	30	35	2.93	−0.44	1.10	0	5	24	4	2	e.	Mrs. S. E. Long.
Walhalla	Oconee	1061	13								2.97	−2.48	0.98	0	10	14	13	3	e.	H. W. Brandt.
White Oak	Fairfield	548		73.0	−0.4	86	7	46	30	40	1.65	−1.81	1.18	0	5	21	6	3	ne.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	17	69.1	−4.1	86	6	46	†21	36	0.79	−2.49	0.45	0	2	18	12	0	ne.	W. P. Goodman.
Division means and	extremes			71.6	−2.2	99	7	35	30	46	2.51	−1.10	2.97	0	5	19	8	3	ne.	
Section means and	extremes			72.2	−2.0	99	7	35	30	46	2.56	−1.38	4.06	0	7	17	8	5	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for September, 1916.

Stations.	Watersheds.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ||||	Savannah				.34	.21					.80			.08	.15	T.	.05																1.63
Beaufort	Coast																																
Blackville ||||	Edisto			.35		.10									.20	1.40																	2.05
Bowman	do	T.	.04	.08						1.06			.03	T.	2.05		.20													.20			3.66
Centenary	Pee Dee			.13	.26	.02				.13			T.	1.06	1.39	.35	.02												T.	1.02			4.38
Charleston ***	Coast			.24	.16	.01				.05			.03	.27	T.	1.45														.55			2.76
Cheraw ||||	Pee Dee									.07					.11	.65														.24	.18		1.25
Conway ||||	Waccamaw			.64	T.	.05	.18	T.			.38			.51	T.	T.	.55														T.		2.31
Darlington ||||	Pee Dee			.06						.20				.08	.17	.22	.07														.10		0.90
Dillon	Little Pee Dee		.25			T.				.53				1.01	1.39	.48														.86			4.52
Edisto ||||	Edisto			.54										.21	.05	.24																	1.04
Effingham ||||	Lynches				.80	.04					.32			.05	.28	4.06	.12													.10	1.20		6.97
Ferguson ||||	Santee													.05		1.08	.36													.41			1.90
Florence 1 ||||	Pee Dee			.12	.24					.13	T.			.12	.13	1.12	.05														.87		2.78
Florence 2	do			T.	.16									.14	.80	T.														1.15			2.25
Georgetown	Coast			.28	.10	T.				T.				T.	T.	.12														T.			0.50
Kingstree ||||	Black			.23	.58						.35			.15	.40	1.64	.43														1.95		5.73
Mayesville (near)	do		T.	.03	.05	.01				.70	T.		T.	.21	1.23	.08	.08														2.35		4.74
Oaks	do			.50	.02	.01				1.07	.01			.43	.13	.48													T.	.52			3.17
Orangeburg	Edisto																														.02		
Pinopolis	Cooper		.32	.26		.04				.06			.12		.13	.03													.02	.32			1.30
Rimini ||||	Santee			.02	.04	.30					.18			.10	.03	.43	.27													T.	.10		1.47
St. George ||||	Edisto			.35							.30			.14	.07	.42	.01														.20		1.49
St. Matthews ||||	Santee			.30											.28	.32	.20													.11	.12		1.33
Society Hill ||||	do									.25				.02	.27	.49	.15													1.65	.02		2.85
Summerville	Ashley			.86		T.				.04			T.	.26	.09	.02												T		.46	.03		1.76
Walterboro	Ashepoo																																
Whitehall (near)	Combahee			.28						1.93				.03	1.03																		3.27
Yemassee ||||	do				.70	.08					.72			.17	.20	.37	T.								T.								2.24
Western Portion.																																	
Aiken	Edisto			.23	.18					.07				.09	.71	2.37														.89			4.54
Anderson	Savannah								.45	.08	.10			T.	2.02	.10													.33	.70			3.78
Batesburg ||||	Edisto				.15					T.	T.			T.	.10	.54														2.21			3.00
Blairs ||||	Broad									.30						.50								.02						.96	.31		2.09
Calhoun Falls ||||	Savannah													T.	.12	1.28														1.12			2.52
Camden ||||	Wateree													.11	.32	.80														.60			1.83
Catawba ||||	Catawba									.15					.14	.29								.10						.75			1.43
Chappells ||||	Saluda									T.						1.50														.85			2.35
Clemson College	Savannah		.02						.73		.52				.28									.08					.02	.39			2.04
Columbia ***	Congaree		.02	T.						.11	T.			.03	.73	.08														1.26			2.23
Edgefield ||||	Savannah															.40														1.00			1.40
Gaston Shoals ||||	Broad			T.	T.					T.					.02	1.08				T.										1.13	T.		2.23
Greenville ||||	Saluda			.02					T.	.24	.05				.14	.58								.13						1.47			2.63
Greenwood ||||	do									.28					.05	2.05														1.18			3.56
Heath Spring	Wateree												.16		.31	.03														.71			1.21
Kershaw	Lynches									.19					.15	.50	.01													.79	.22		1.86
Landrum	Broad									.12	.02				.52														.22	.86			1.74
Liberty	Savannah		.10						.25	.76	.40			T.	1.35	.10			T.					.20					T.	.50			3.66
Little Mountain	Saluda									.34				.09		.39													2.33				3.15
Meriwether	Savannah		T.												2.18														.82				3.00
Monetta	Edisto			.10	.02									.05	.21	1.13														1.03			2.54
Mountain Rest	Savannah	.19						T.	.04	T.	1.55			.16	.34	1.31													.52				4.11
Newberry	Saluda								.02					.10	T.	.60														.95			1.67
Pelzer ||||	do									.98						.52	.54							.06						1.06	T.		3.16
Saluda	do									.05					.23	.50													2.97				3.75
Santuck	Broad		T.						.31					.03	T.	.46								T.						.81			1.61
Spartanburg ||||	do			T.	T.					T.				T.	.13	1.03				.13				.04						1.28	.02		2.63
Trenton	Edisto		.26											.16	.88	.53														1.10			2.93
Walhalla	Savannah		.10	.10					.09	.13	.98			.06	.76	.20								.15					T.	.40			2.97
White Oak	Broad								T.	.17				.01	.06	.23								T.						1.18			1.65
Winthrop College	Catawba																							.34						.45			0.79

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR SEPTEMBER.

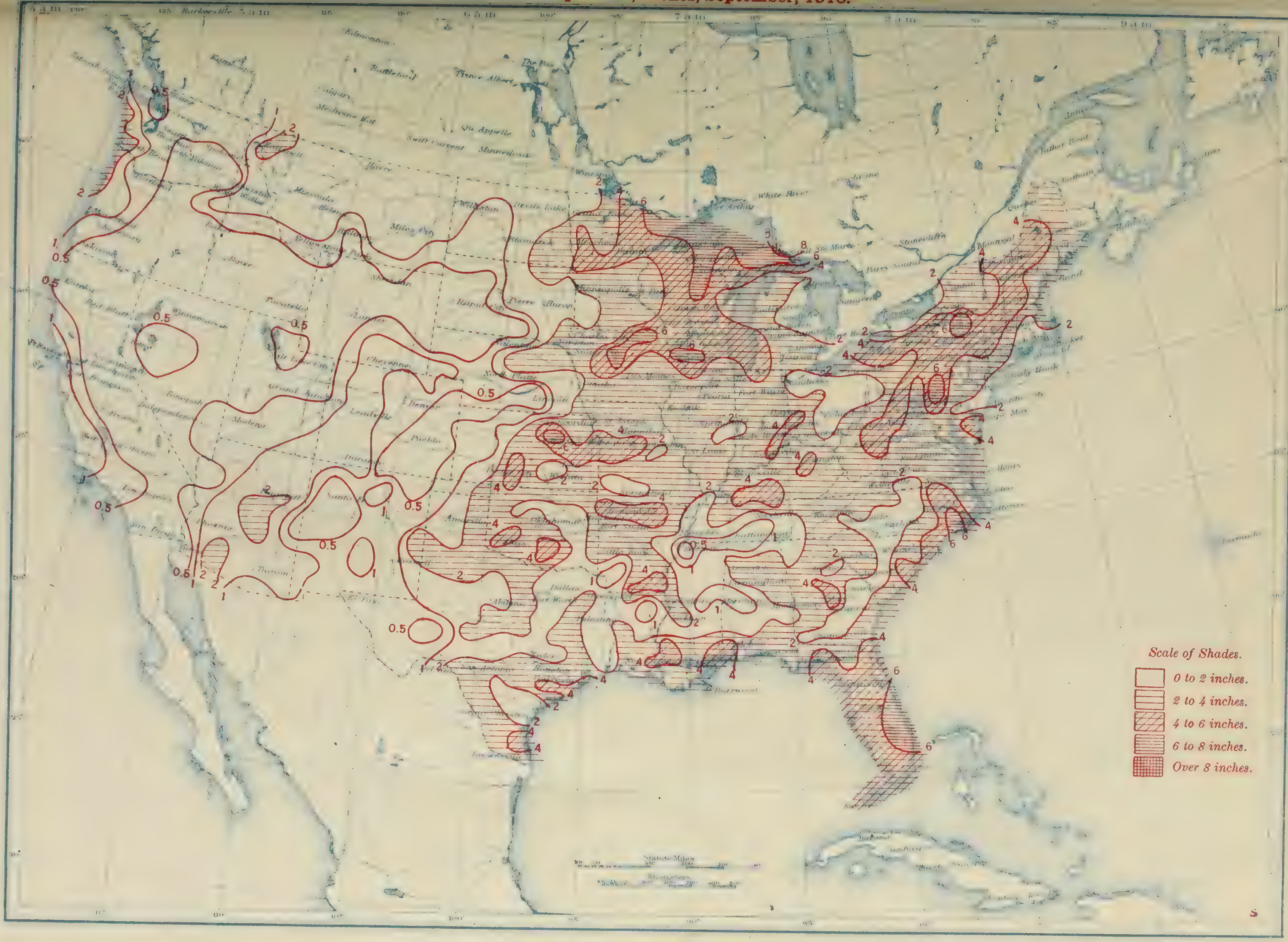
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	72.2	101	34	1.12	4				e.
1888	69.6	93	31	9.86	13				ne.-e.-s.
1889	72.1	98	40	3.34	5				se.
1890	72.9	98	49	7.84	16				ne.
1891	74.3	92	50	2.66					ne.
1892	72.5	93	40	6.41					ne.
1893	74.7	98	46	4.42	7	14	7	9	sw.
1894	75.0	100	52	6.51	12	12	10	8	ne.
1895	76.9	106	35	1.29	4	17	8	5	ne.
1896	75.0	105	39	2.94	5	17	8	5	ne.
1897	73.3	100	42	2.91	4	17	7	6	ne.
1898	76.0	96	48	4.06	7	12	10	8	ne
1899	72.8	102	34	2.55	6	17	8	5	ne.
1900	77.1	100	45	2.83	5	19	8	3	ne.
1901	73.1	98	46	4.66	6	15	8	7	ne.
1902	72.1	98	43	3.74	8	13	9	8	ne.
1903	72.7	100	41	3.62	5	17	7	6	ne.
1904	75.8	101	44	2.46	4	19	7	4	ne.
1905	76.2	98	49	1.91	4	16	8	6	ne.
1906	78.0	98	55	4.85	9	10	12	8	ne.
1907	76.0	99	45	5.91	9	13	11	6	w
1908	72.4	94	40	2.86	4	15	9	6	ne.
1909	72.0	98	39	3.74	7	13	9	8	ne.
1910	75.8	103	46	3.10	7	15	12	3	ne.
1911	78.9	100	50	3.33	8	13	13	4	sw.
1912	77.7	109	47	5.91	11	10	7	13	e.
1913	71.7	99	40	4.66	9	14	7	9	ne.
1914	71.3	101	43	3.63	7	14	9	7	ne.
1915	75.9	102	43	2.38	5	16	8	6	ne.
1916	72.2	99	35	2.56	7	17	8	5	ne.
Period	74.2	109	31	3.94	7	15	9	6	ne.

Daily Temperatures for September, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	89	92	88	87	88	93	93	91	89	85	79	82	81	86	84	82	79	81	82	75	83	89	92	86	85	85	88	89	83	71	....	85.2
	Minimum	65	64	65	70	70	67	70	69	71	69	62	59	60	69	71	66	62	56	55	56	51	51	54	59	53	51	53	63	68	50	....	61.6
Beaufort	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Blackville §§	Maximum	92	94	91	89	90	95	97	93	97	94	83	86	86	90	89	83	80	85	81	79	86	90	92	93	88	90	91	93	84	74	....	88.5
	Minimum	65	65	70	70	69	65	68	71	69	62	59	52	62	68	69	61	54	52	55	56	46	50	61	65	51	50	55	62	69	46	....	60.6
Bowman	Maximum	90	94	88	87	90	92	96	94	91	85	80	76	87	88	87	84	80	80	80	75	80	86	90	86	85	86	87	91	90	68	....	85.8
	Minimum	60	63	64	67	66	62	66	67	68	67	57	56	64	70	71	70	66	50	51	50	46	50	55	53	55	57	58	60	61	48	....	59.9
Centenary	Maximum	87	92	85	86	81	91	96	91	88	83	80	78	82	87	85	78	76	80	73	75	79	86	90	....	83	86	88	87	76	65	....	[a] 83.2
	Minimum	60	58	71	65	70	68	68	71	68	67	58	62	69	69	68	63	59	51	54	54	50	51	57	....	51	49	57	62	62	48	....	[a] 60.7
Charleston	Maximum	86	86	82	83	84	86	89	87	83	80	80	77	81	82	86	82	78	78	79	77	81	82	89	80	81	81	81	83	86	69	....	82.0
	Minimum	71	69	72	72	74	72	75	77	76	73	65	64	72	76	73	69	66	65	64	60	59	63	67	66	64	63	69	73	63	54	....	68.2
Cheraw §§	Maximum	88	90	85	88	88	92	97	94	89	85	81	83	82	83	87	77	78	82	75	74	82	88	90	82	84	87	86	88	71	66	....	84.1
	Minimum	61	64	68	66	69	69	72	72	70	66	58	57	68	70	68	62	54	49	56	49	48	52	60	60	50	52	54	66	66	48	....	60.8
Conway §§	Maximum	82	84	78	87	74	88	86	83	80	78	76	74	80	80	78	80	76	76	71	72	76	78	....	81	77	72	76	80	71	68	....	[a] 78.0
	Minimum	63	62	69	67	71	69	71	72	72	67	59	62	66	72	72	63	60	56	55	54	53	53	60	....	54	52	59	64	66	50	....	[a] 62.5
Darlington §§	Maximum	91	88	86	88	85	94	95	92	90	84	80	84	82	79	87	79	79	82	75	75	84	89	82	84	87	89	89	91	71	67	....	84.3
	Minimum	62	61	70	65	69	69	71	73	71	66	57	58	65	70	68	60	57	50	55	51	47	51	62	55	49	49	55	60	65	46	....	60.2
Dillon	Maximum	86	89	84	86	82	90	92	89	....	85	....	....	79	81	82	76	76	79	72	73	78	86	90	80	83	85	....	88	75	66	....	[d] 82.0
	Minimum	62	61	65	68	71	70	70	73	....	58	....	....	58	69	62	61	52	56	55	50	51	71	60	52	52	79	....	57	60	47	....	[d] 61.2
Ferguson §§	Maximum	86	89	87	85	84	89	92	89	85	84	78	80	86	86	83	79	78	79	73	73	79	87	87	89	86	84	....	....	....	70	....	....
	Minimum	64	65	70	72	72	74	76	77	78	72	64	65	67	70	72	67	66	64	62	58	58	58	62	62	64	62	64	....	....	....	....	....
Florence 1 §§	Maximum	92	90	88	89	85	86	97	90	90	88	87	85	83	78	85	79	78	84	79	76	84	90	92	85	87	88	88	90	70	70	....	85.1
	Minimum	63	62	70	65	65	69	70	73	70	67	57	59	63	69	68	62	58	52	55	53	50	51	55	58	52	52	55	62	66	47	....	60.6
Georgetown	Maximum	90	91	91	87	82	90	95	90	87	83	85	81	87	89	86	84	81	82	80	84	85	88	93	90	87	86	89	90	84	75	....	86.4
	Minimum	65	62	71	69	72	68	68	72	73	70	59	63	71	73	71	65	61	58	56	55	54	54	64	61	54	53	61	64	66	51	....	63.5
Kingstree §§	Maximum	88	90	87	88	84	90	92	92	89	84	80	80	83	84	84	80	79	81	72	74	80	87	89	82	82	85	86	87	75	65	....	83.3
	Minimum	64	61	68	66	66	67	68	72	73	69	58	60	64	71	70	63	60	55	56	54	51	53	60	60	55	51	58	64	65	49	....	61.7
Mayesville (near)	Maximum	89	92	86	89	86	92	95	92	90	83	79	80	80	83	85	80	78	81	75	74	80	88	90	83	84	86	87	90	79	64	....	84.0
	Minimum	60	60	70	66	69	64	68	71	70	68	59	59	67	77	70	60	59	52	55	54	47	52	59	57	52	50	52	62	62	51	....	60.7
Oaks	Maximum	86	90	85	85	87	88	93	89	85	81	79	77	85	85	84	80	76	80	73	75	80	85	90	84	83	85	85	86	78	68	....	82.9
	Minimum	61	60	70	67	70	69	69	76	67	67	59	61	70	71	70	64	60	59	53	53	52	50	58	58	52	50	57	61	63	49	....	61.3
St. George §§	Maximum	89	92	88	87	86	93	97	92	91	85	80	82	85	86	83	81	78	82	79	76	83	90	93	87	86	88	89	93	84	69	....	85.8
	Minimum	67	64	69	68	69	67	68	71	70	69	59	58	67	70	69	63	60	58	57	55	53	54	61	60	57	53	59	63	65	49	....	62.4
St. Matthews §§	Maximum	87	93	87	85	85	92	96	93	94	83	79	82	83	87	87	79	78	81	77	74	83	91	93	86	86	89	90	90	79	67	....	85.2
	Minimum	64	66	71	67	68	65	70	73	71	70	57	57	62	69	69	60	60	53	56	54	46	54	62	57	54	52	57	64	68	48	....	61.5
Society Hill §§	Maximum	93	84	84	86	88	93	98	95	89	84	80	84	83	82	87	77	78	81	74	74	83	90	91	84	84	88	87	89	72	66	....	84.3
	Minimum	61	64	69	66	69	68	71	72	70	66	56	57	68	70	68	61	56	51	55	50	47	53	59	56	48	48	54	65	65	46	....	60.3
Summerville	Maximum	86	89	86	86	84	91	89	87	86	84	79	78	85	85	86	81	79	80	79	75	80	83	88	82	81	84	84	87	80	69	....	83.1
	Minimum	66	62	70	70	71	68	71	68	71	70	59	60	71	72	71	66	61	57	55	56	53	54	61	59	55	64	62	65	65	51	....	63.1
Walterboro	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Yemassee §§	Maximum	88	90	88	87	87	91	92	92	90	85	81	80	81	85	85	84	82	82	83	76	82	86	91	86	85	85	86	88	84	72	....	85.1
	Minimum	63	60	65	68	69	64	65	69	69	67	59	57	60	69	68	64	60	55	51	55	50	49	59	56	52	50	58	60	65	47	....	60.1
Western Portion.																																	
Aiken	Maximum	88	92	88	86	87	93	95	88	85	86	83	84	83	87	85	84	77	82	79	77	82	88	90	85	83	86	88	87	83	78	....	85.3
	Minimum	66	65	70	69	67	65	70	69	66	67	65	58	67	71	67	62	61	57	60	55	52	58	62	68	56	57	61	68	66	48	....	63.1
Anderson	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	65	67	69	61	64	65	68	68	67	65	59	54	64	66	64	56	56	55	58	51	49	58	61	52	52	53	58	62	54	45	....	59.5
Batesburg §§	Maximum	87	88	83	84	86	91	92	91	91	83	78	83	83	86	84	86	78	82	76	73	82	86	87	82	84	85	84	87	75	65	....	83.4
	Minimum	66	68	67	68	66	65	69	72	70	69	59	55	58	66	69	60	60	52	55	52	44	48	63	56	55	56	60	65	67	46	....	60.9
Camden §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	75	75	75	74	73	73	73	75	74	73	60	61	62	72	72	61	60	54	55	53	46	46	56	61	64	64	65	66	65	....	....	[a] 64.9
Clemson College	Maximum	83	82	81	81	84	86	88	86	83	80	75	75	75	76	82	77	74	77	72	70	75	80	80	80	77	78	78	89	76	65	....	78.8
	Minimum	66	68	72	70	65	67	68	70	69	70	65	59	68	71	67	57	58	55	56	50	49	55	61	49	49	52	54	62	65	44	....	61.0
Columbia	Maximum	87	91	84	85	86	91	92	91	89	82	77	81	80	81	85	76	76	80	74	72	82	87	89	82	83	84	85	87	76	64	....	82.7
	Minimum	68	69	72	69	68	67	73	73	73	69	60	58	68	72	70	61	62	55	60	54	48	61	65	61	55	54	60	69	56	48	....	63.3
Greenville §§	Maximum	92	85	86	84	92	97	99	97	90	82	80	82	78	85	87	78	81	86	76	77	84	88	88	84	88	89	87	84	72	68	....	84.9
	Minimum	64	64	69	67	60	63	65	67	66	68	61	54	60	67	65	54	56	50	53	50	44	50	55	48	45	46	50	55	63	42	....	57.3
Greenwood §§	Maximum	89	86	84	85	89	93	94	94	89	83	77	80	78	83	84	74	77	79	75	70	79	86	86	80	82	83	83	86	73	67	....	82.3
	Minimum	65	66	68	69	65	66	69	71	69	69	59	54	55	66	66	58	58	54	55	50	47	48	60	53	52	52	53	56	53	45	....	59.0
Heath Spring	Maximum	87	84	82	83	90	92	93	92	85	77	84	80	77	82	80	83	85	81	79	62	80	86	86	84	83	83	84	80	75	86	....	82.8
	Minimum	63	67	66	65	65	64	71	71	68	66	55	53	65	70	70	65	54	54	64	49	47	60	63	56	54	63	55	56	48	45	....	60.4
Kershaw	Maximum	88	85	85	85	86	91	94	93	86	82	77	82	80	84	86	77	77	81	72	73	81	87	87	80	83	85	84	87	70	66	....	82.5
	Minimum	62	65	67	64	66	65	69	71	69	67	56	56	62	67	68	59	55	51	58	50	46	54	61	56	51	49	54	62	65	45	....	59.7
Landrum	Maximum	89	83	82	82	88	94	96	95	88	79	77	78	80	83	82	75	78	82	72	71	80	87	85	81	84	84	84	83	71	66	....	82.0
	Minimum	60	63	67	65	60	62	64	65	64	64	58	52	63	65	64	56	51	49	53	43	43	50	55	51	49	47	49	58	53	41	....	56.1
Liberty	Maximum	89	80	82	82	89	93	94	92	88	79	75	76	76	77	72	76	79	83	77	75	80	82	84	81	82	84	82	84	76	66	....	81.2
	Minimum	68	67	72	68	64	62	67	70	68	68	66	66	66	62	66	56	59	54	57	53	48	53	61	50	60	50	53	63	56	41	....	61.5
Little Mountain	Maximum	89	90	84	88	88	93	90	91	92	84	78	82	78	74	86	78	89	80	76	73	82	88	90	82	84	86	85	88	80	65	....	83.8
	Minimum	67	68	69	68	66	72	72	72	71	69	69	55	66	71	69	59	55	57	60	51	49	61	65	59	56	55	63	69	62	45	....	63.0
Meriwether	Maximum	93	88	87	91	96	98	96	94	88	82	85	87	90	89	80	78	83	80	76	....	....	....	....	....	....	....	81	90	90	69	....	[g] 86.5
	Minimum	66	70	76	66	64	69	69	70	68	61	54	67	67	67	60	60	53	52	51	....	....	....	....	....	....	....	55	65	64	46	....	[g] 62.6
Monetta	Maximum	88	89	85	85	86	93	94	90	92	84	78	82	82	85	85	78	77	81	77	74	82	86	88	83	84	86	86	89	79	66	....	83.8
	Minimum	66	67	70	69	68	67	70	71	70	69	60	57	67	70	68	62	62	56	....	54	48	58	62	59	55	57	57	66	65	47	....	[a] 62.7
Mountain Rest	Maximum	80	75	76	78	81	85	81	79	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	80	78	80	74	67	....	[q] 78.0
	Minimum	59	60	66	63	60	63	61	61	61	61	59	52	60	61	60	59	51	49	....	....	....	....	....	46	47	48	57	56	53	35	....	[e] 56.3
Newberry	Maximum	90	89	85	86	90	94	97	96	90	85	78	82	80	87	87	77	80	82	77	73	82	89	90	83	86	87	87	90	81	67	....	84.9
	Minimum	63	66	68	68	66	65	70	70	71	70	60	55	66	71	70	58	58	52	60	51	45	54	62	53	52	49	55	67	64	46	....	60.8
Saluda	Maximum	91	90	97	87	92	97	95	95	94	85	82	85	86	87	90	81	86	85	80	77	84	90	91	87	88	90	87	90	81	70	....	87.3
	Minimum	60	63	68	69	64	61	68	69	69	68	58	68	65	70	67	59	59	48	56	49	46	50	64	46	44	49	50	63	63	45	....	59.3
Santuck	Maximum	89	87	84	85	89	94	99	97	89	82	78	83	75	86	86	76	80	83	75	73	83	90	89	83	84	88	87	90	79	77	....	84.7
	Minimum	63	65	67	65	64	66	67	69	68	67	58	53	65	69	67	57	55	52	58	47	45	54	61	53	49	48	53	64	57	44	....	59.0
Spartanburg §§	Maximum	91	84	81	79	89	94	98	95	91	83	78	80	76	87	84	76	70	83	72	71	81	88	87	81	84	86	85	86	69	65	....	82.5
	Minimum	65	66	68	66	63	65	67	71	66	68	59	55	58	66	67	56	54	53	54	47	46	47	54	49	50	52	52	53	63	44	....	58.1
Trenton	Maximum	88	88	88	87	90	92	90	94	94	85	79	82	79	88	84	77	77	80	78	73	80	84	86	82	84	84	86	87	79	66	....	83.7
	Minimum	65	67	67	66	67	67	71	70	69	68	59	55	66	69	66	60	61	55	60	57	49	57	61	58	57	56	58	67	63	46	....	61.9
White Oak	Maximum	88	90	86	86	89	93	96	94	90	84	79	83	80	87	87	79	82	84	77	76	83	89	89	84	85	88	88	89	75	66	....	84.9
	Minimum	65	66	68	65	66	65	70	71	69	68	56	55	66	69	69	58	57	58	60	48	49	60	63	55	54	52	57	65	65	46	....	61.2
Winthrop College	Maximum	80	80	78	79	80	86	85	85	82	82	75	74	74	75	78	78	74	76	76	67	74	80	80	79	78	79	78	78	82	63	....	77.8
	Minimum	64	65	68	65	64	65	70	70	62	68	60	54	65	70	68	56	52	54	59	58	46	59	59	59	59	54	56	55	62	46	....	60.4

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
0.5
1
2
4
6
8
Statute Miles
Kilometers
5

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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

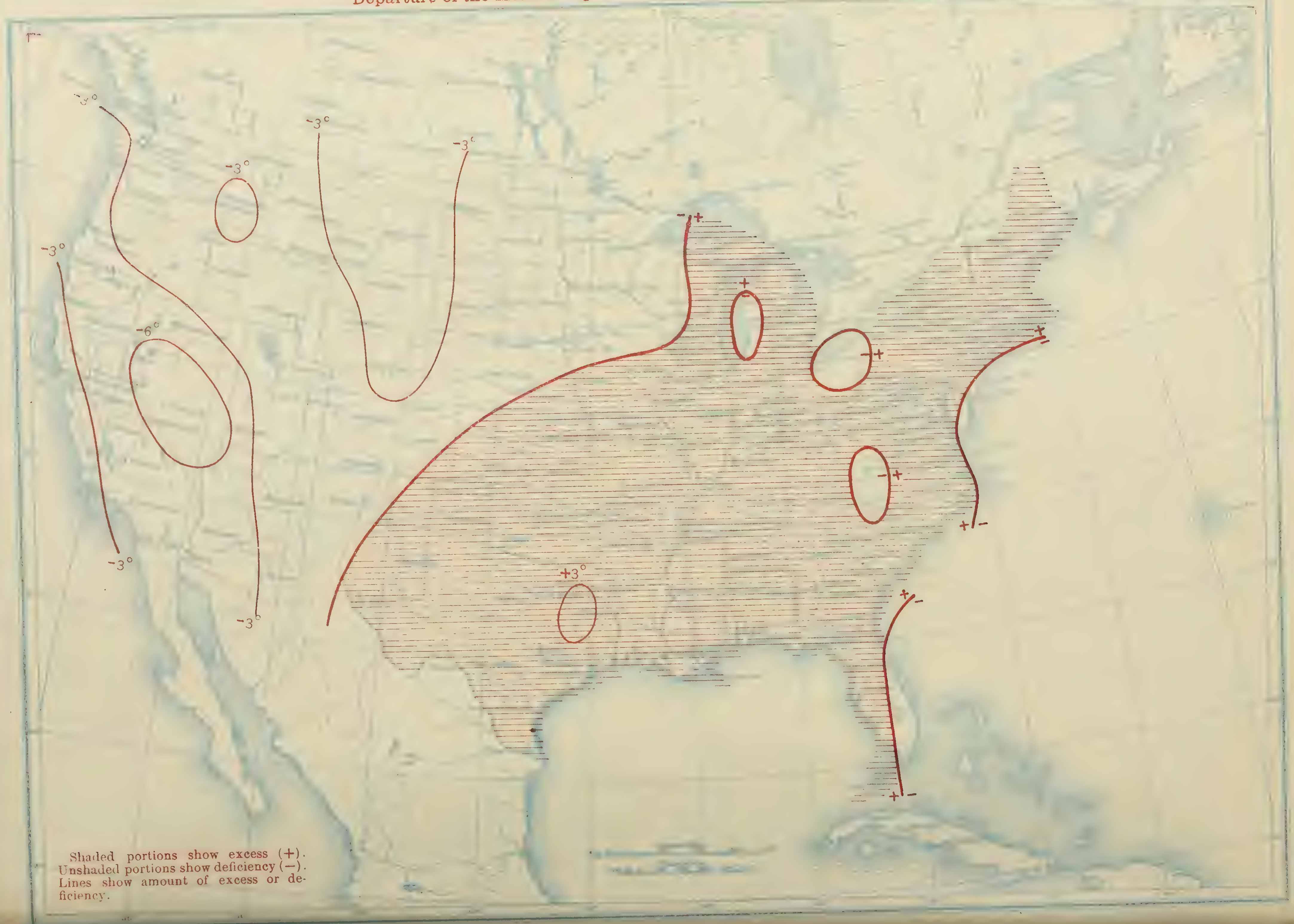
SOUTH CAROLINA SECTION

OCTOBER, 1916

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
December 6, 1916

Departure of the Mean Temperature from the Normal, October, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

Vol. XIX. Columbia, S. C., October, 1916. No. 10.

GENERAL SUMMARY.

Weather conditions for October, 1916, were characterized by mean temperatures slightly above normal generally, and by deficiency in rainfall in practically all sections, except the coastal plains, where the monthly amounts were above normal. Conditions on the whole were favorable for the maturing and harvesting of all crops. The remainder of the early planted cotton crop was picked, and picking of the late crop was progressing rapidly during the closing days. Forage and other crops have nearly all been gathered, except sweet potatoes in eastern counties. Prolonged periods of dry weather rendered the soil unfavorable for plowing and seeding. However, good acreages of oats and rye were sown, but little wheat was planted. Some of the early planted small grains were coming to good stands toward the end of the month. Truck and gardens were in fairly good condition. Light to heavy frosts were quite general over interior sections on the 22d, but little or no damage resulted.

J. F. J.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.10 inches. The highest pressure in the region covered by reports was 30.47 inches at Asheville, N. C., on the 23d, and in the Section proper, 30.35 inches at Columbia on the same date; lowest, 29.59 inches at Asheville, N. C., on the 20th, and in the Section proper, 29.73 inches at Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 45 stations was 64.1°, or 0.8° above the established normal. The highest temperature for the month was 92° at St. George, Dorchester County, on the 9th; at St. Matthews, Calhoun County on the same date, and at Orangeburg, Orangeburg County, on the 16th. The warmest period of the month was generally between the 7th and 9th, but a number of stations recorded highest temperatures between the 16th and 19th. The lowest temperature was 31° at Mountain Rest, Oconee County, on the 21st and 22d. The coolest weather of the month occurred generally on the 22d.

HUMIDITY.

The mean relative humidity, determined from records of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 83 per cent; 8 p.m., 72 per cent. The highest average percentages occurred over the coastal plains, and the lowest, over the northern interior.

PRECIPITATION.

The average for the Section, 57 stations reporting, was 2.54 inches, or 0.64 inch below the normal. There were three distinct rainy periods, namely: 4th to 6th, 18th to 21st, and 30th to 31st, while scattered showers occurred between the 8th and 10th. The unequal distribution, as to amount, of the months immediately preceding continued, but the discrepancies were less marked. Large areas of the coastal plain received from 4.00 to over 6.00 inches, while the greater portion of the central districts received less than 2.00 inches. The greatest local monthly amount was 6.96 inches at Centenary, Marion County; least amount, 0.88 at Edgefield, Edgefield County. The greatest 24-hour rainfall was 5.06 inches at Centenary, Marion County, on the 19th. The number of rainy days averaged 17 per cent below the normal.

WIND.

The prevailing winds were from the northeast. The average hourly velocity, determined from 7 anemometer records, was 10.1 miles. In the Section proper the averages were 8.2 miles per hour at Columbia and 13.0 miles per hour at Charleston. The highest velocity for any five-minute period in the region covered by reports was 48 miles per hour from the east at Asheville, N. C., on the 18th, and in the Section proper, 44 miles per hour from the northeast at Charleston on the 10th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 227.2 hours, or 64 per cent of the possible amount. The average number of clear days was 16; partly cloudy, 7; cloudy, 8, as against normals of 17, 7, and 7 days, respectively.

RIVER CONDITIONS.

The rivers of the Section were relatively low throughout the month and responded only slightly to the rains of the 18th and 19th.

MISCELLANEOUS PHENOMENA.

Earthquake (dates).—Columbia, 5:08 p.m., 18th; slight tremors; intensity, 2; Liberty, 18th; slight tremors.

Fog, Dense (dates).—Centenary, 8; Charleston, 9, 16; Cheraw, 8, 9; Darlington, 8, 9; Mayesville (near), 9, 16; Society Hill, 8, 9.

Frost, (killing, date).—Meriwether, 22; Mountain Rest, 21, 22; Saluda, 22.

Halos (dates).—Lunar: Mayesville (near), 4; Walhalla, 7.

Thunderstorms (dates).—Blackville, 18; Liberty, 9; Newberry, 9; Santuck, 9; Walhalla, 9.

MISCELLANEOUS DATA FOR OCTOBER, 1916.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C.	30.15	56.3	80	33	2.86	1.16	7.8	se.	86	65	64
Augusta, Ga.	30.08	65.6	85	40	1.10	0.74	6.6	ne.	81	69	61
Charleston, S. C.	30.06	67.4	84	48	4.37	2.29	13.9	n.	83	81	67
Charlotte, N. C.	30.13	61.0	85	39	2.64	1.24	11.9	ne.	81	61	72
Columbia, S. C.	30.10	64.4	85	41	1.33	0.77	8.2	ne.	76	63	71
Savannah, Ga.	30.06	67.9	88	43	4.94	2.46	12.7	ne.	86	82	50
Wilmington, N. C.	30.09	65.0	85	43	5.12	2.68	9.4	ne.	87	84	60
Means and extremes	30.10	64.0	88	33	3.20	2.68	10.1	ne.	83	72	64

Climatological Data for October, 1916.

Stations	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of days. With precipit'on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Eastern Portion.																				
Allendale	Barnwell	186	27	66.2	+1.3	89	9	42	22	34	2.55	−0.23	1.48	0	5	11	14	6	w.	R. B. Vance.
Beaufort	Beaufort	21	29	^{b}66.9	−0.5	^{b}86	20	^{a}45	22	^{b}38	...	...	...	0	...	9	12	10	ne.	Miss Lillian H. Rice.
Blackville	Barnwell	296	27	66.4	+1.9	91	16	38	22	40	2.01	−0.97	1.50	0	5	19	9	3	...	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	15	66.1	+1.9	89	9	37	12	45	2.59	−0.16	1.02	0	5	17	11	3	ne.	B. O. Evans.
Centenary	Marion	43	1	65.5	...	89	9	39	12	36	6.96	...	5.06	0	7	18	6	7	ne.	D. L. Carmichael.
Charleston	Charleston	48	45	67.4	+0.3	84	17	48	22	24	4.37	+0.44	2.29	0	9	14	8	9	n.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	26	63.8	+2.2	87	†7	37	12	39	2.85	0.00	1.75	0	6	...	...	...	...	J. H. Powe.
Conway	Horry	25	30	64.2	0.0	83	16	43	†11	28	5.10	+1.60	1.68	0	7	15	2	14	n.	Paul Quattlebaum.
Darlington	Darlington	175	21	^{b}64.5	+1.1	^{b}89	†9	^{a}39	12	^{b}40	2.18	−1.16	1.57	0	7	19	3	9	...	D. C. McCall.
Dillon	Dillon	100	13	65.5	+1.5	87	8	40	12	36	2.03	−1.63	0.68	0	7	...	...	...	...	A. E. Rowell.
Edisto ‡‡	Bamberg	143	28	...	...	...	...	...	...	...	2.86	+0.49	1.86	0	5	...	...	...	...	Nathan Jenkins.
Effingham	Florence	106	23	...	...	...	...	...	...	...	2.07	−0.98	1.48	0	5	...	...	...	...	H. B. McCall.
Ferguson	Orangeburg	63	30	^{a}67.4	+4.1	86	†8	^{a}48	†21	^{a}36	4.77	+1.78	3.94	0	3	...	...	...	...	Joseph P. Simons.
Florence 1	Florence	136	27	64.4	+1.0	91	9	41	†11	37	2.27	−0.84	1.14	0	8	18	5	8	ne.	H. K. Gilbert.
Florence 2	do	136	1	...	...	...	...	...	...	...	2.60	−0.51	1.60	0	7	21	4	6	ne.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	21	67.4	+2.0	89	19	42	22	38	4.23	+0.55	2.20	0	3	15	7	9	ne.	A. P. Hazard.
Kingstree	Williamsburg	51	27	65.2	+0.6	88	†8	42	28	32	4.55	+1.60	3.15	0	5	20	2	9	ne.	A. O. Matthews.
Mayesville (near)	Sumter	70	1	65.0	...	88	†8	34	12	47	3.16	...	1.94	0	6	15	6	10	ne.	Lewis E. Warren.
Oaks	Georgetown	...	1	^{a}66.4	...	^{a}88	9	^{a}41	24	^{a}40	1.69	...	0.89	0	8	10	16	5	s.	O. M. Mitchell.
Orangeburg	Orangeburg	264	...	^{d}64.4	...	^{d}92	16	^{d}39	12	^{d}38	2.51	...	1.44	0	6	10	8	13	ne.	U. S. Fisheries Station.
Pinopolis **	Berkeley	54	66	63.7	−0.5	82	9	44	22	...	4.27	+1.14	2.92	0	4	16	0	15	ne.	Miss E. P. Ravenel.
Rimini	Clarendon	97	2	...	...	...	...	...	...	...	2.38	...	1.36	0	6	...	...	...	...	William B. Wolfe.
St. George	Dorchester	109	27	66.6	+2.1	92	9	41	22	32	3.06	+0.70	1.90	0	6	19	2	10	ne.	R. S. Weeks.
St. Matthews	Calhoun	62	20	65.2	+1.3	92	9	39	22	35	2.02	−0.67	1.43	0	4	16	11	4	s.	J. S. Wannamaker.
Society Hill	Darlington	192	24	63.9	+2.1	87	†8	38	12	41	2.25	−0.88	1.60	0	7	15	10	6	ne.	A. H. Rogers.
Summerville	Dorchester	75	18	66.2	+1.3	84	†8	42	22	37	4.40	+0.46	2.00	0	9	2	25	4	e.	Miss E. H. Gadsden.
Walterboro	Colleton	69	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	J. A. Westerberg.
Whitehall (near)	do	4	...	...	...	...	...	...	...	...	3.27	...	1.80	0	4	18	4	9	ne.	Special Rice Exp. Station.
Yemassee	Hampton	24	20	66.1	+1.3	88	9	37	22	41	4.01	+1.08	1.97	0	8	13	6	12	ne.	J. G. Hutson.
Division means and extremes				65.4	+1.2	92	†9	37	†12	47	3.16	−0.18	5.06	0	6	16	7	8	ne.	
Western Portion.																				
Aiken	Aiken	527	55	65.5	0.0	87	16	39	21	41	1.27	−1.45	0.74	0	6	21	1	9	ne.	W. M. Brown.
Anderson	Anderson	764	20	...	...	...	...	35	22	...	2.09	−0.75	1.04	0	6	18	2	11	e.	H. H. Russell.
Batesburg	Lexington	656	27	63.3	+0.3	86	7	39	12	38	1.96	−1.29	1.30	0	6	20	4	7	n.	E. J. Hite.
Blairs	Fairfield	293	13	...	...	...	...	...	...	...	1.43	−1.25	1.15	0	5	...	...	...	...	J. N. Owens.
Calhoun Falls	Abbeville	508	23	...	...	...	...	...	...	...	4.68	+1.83	3.21	0	6	...	...	...	...	L. M. Parker.
Camden	Kershaw	222	56	^{f}62.3	+1.8	^{f}77	†7	^{f}38	†11	^{f}37	2.19	−0.54	1.52	0	6	19	7	5	ne.	W. C. Brown.
Catawba	York	562	12	...	...	...	...	...	...	...	1.35	−2.28	1.19	0	4	...	...	...	...	James C. Faris.
Chappells	Newberry	402	12	...	...	...	...	...	...	...	1.10	−1.71	0.90	0	2	...	...	...	...	J. J. Murran.
Clemson College	Oconee	850	24	61.0	+0.3	82	†7	34	22	36	2.48	−0.86	0.98	0	6	15	5	11	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	29	64.4	+0.4	85	9	41	22	29	1.33	−1.52	0.77	0	5	13	9	9	ne.	U. S. Weather Bureau.
Edgefield	Edgefield	...	2	...	...	...	...	...	...	...	0.88	...	0.48	0	2	...	...	...	...	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	3	...	...	...	...	...	...	...	2.91	+0.12	2.75	0	4	...	...	...	...	Harry A. Parshall.
Greenville	Greenville	989	23	60.9	+1.0	88	9	33	†21	40	1.58	−1.38	0.97	0	5	18	5	8	ne.	J. H. Woodside.
Greenwood	Greenwood	671	27	60.9	−1.1	85	8	37	22	32	1.45	−1.38	0.88	0	6	23	0	8	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	15	63.1	+1.6	84	†7	38	22	44	1.82	−0.81	1.74	0	2	11	19	1	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	...	62.4	...	88	8	39	†12	34	1.70	...	1.39	0	6	24	3	4	e.	John W. Hamel.
Landrum	Spartanburg	1063	1	61.0	...	88	9	35	12	43	3.14	...	1.31	0	6	19	4	8	...	R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	17	61.6	+0.2	87	9	33	22	34	1.56	−2.20	0.85	0	6	15	11	5	e.	John T. Boggs.
Little Mountain	Newberry	711	23	62.6	−1.5	85	8	39	22	39	1.86	−1.65	1.06	0	3	22	7	2	n.	J. M. Sease, M. D.
Meriwether	Edgefield	450	13	^{a}64.8	+1.4	88	†7	^{a}32	22	^{a}45	1.15	−1.20	1.15	0	1	...	...	...	...	William S. Middleton.
Monetta	Saluda	400	9	^{a}64.6	...	84	†7	^{a}40	22	^{a}39	1.46	...	0.65	0	5	10	17	4	ne.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	...	59.8	...	87	9	31	21	43	2.41	...	0.97	0	7	17	7	7	...	J. H. Brown.
Newberry	Newberry	502	13	63.4	+0.9	87	8	37	22	42	1.75	−1.00	0.79	0	7	14	10	7	e.	Warren G. Peterson.
Pelzer	Anderson	850	12	...	...	...	...	...	...	...	1.90	−1.41	0.88	0	6	...	...	...	...	Joshua Y. Jones.
Saluda	Saluda	536	15	^{a}63.6	+0.7	^{a}87	7	^{a}32	22	^{a}41	1.37	−1.67	0.40	0	6	20	6	5	ne.	Mrs. F. V. J. Maxwell
Santuck	Union	512	23	62.2	+0.7	87	†8	36	22	42	1.82	−1.43	0.83	0	6	17	6	8	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	13	60.2	−0.7	88	8	35	†22	38	2.56	−0.11	2.00	0	4	...	...	...	...	F. P. Robinson.
Trenton	Edgefield	620	27	64.4	−0.1	84	8	37	22	40	1.22	−2.08	0.69	0	3	22	6	3	e.	Mrs. S. E. Long.
Walhalla	Oconee	1061	13	...	...	...	...	...	...	...	2.58	−0.38	1.26	0	8	17	7	7	e.	H. W. Brandt.
White Oak	Fairfield	548	...	64.0	+1.7	89	8	38	†21	43	1.60	−1.42	0.80	0	3	18	8	5	ne.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	17	59.7	+2.2	90	6	39	†11	44	2.51	−0.40	1.00	0	4	17	9	5	ne.	W. P. Goodman.
Division means and extremes				62.6	+0.3	90	6	31	†21	45	1.95	−1.03	2.75	0	5	17	8	6	ne.	
Section means and extremes				64.1	+0.8	92	†9	31	†21	45	2.54	−0.64	5.06	0	5	16	7	8	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for October, 1916.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ||||	Savannah				.22	.35	.22		T.											1.48							T.				.28		2.55
Beaufort	Coast																																
Blackville ||||	Edisto				.05	.20	.06													1.50											.20		2.01
Bowman	do			.14	.33						T.								.82	1.02											.28		2.59
Centenary	Pee Dee			T.	.65	.04					.03								.38	5.06		.08									.72		6.96
Charleston ***	Coast			.15	1.03	.02	T.				.01								.98	1.31							.08			.08	.71		4.37
Cheraw ||||	Pee Dee				.04	.09					T.								.12	1.75											.25	.60	2.85
Conway ‡	Waccamaw				.96	1.50	T.												.14	1.68	.05										.65	.12	5.10
Darlington ||||	Pee Dee				.08	.12													.06	1.57		.12									.05	.18	2.18
Dillon	Little Pee Dee			.01	.40														.23	.55		.09							.07		.68		2.03
Edisto ||||	Edisto					.63	.17													1.86											.15	.05	2.86
Effingham ||||	Lynches				.16	.21													.05	1.48												.17	2.07
Ferguson ||||	Santee					.80														3.94	T.										.03		4.77
Florence 1 ||||	Pee Dee				.14	.21													.04	1.14	.03	.10									.03	.58	2.27
Florence 2	do			.10	.12	.17					.01								1.60	.10	T.											.50	2.60
Georgetown	Coast				1.28															2.20											.75		4.23
Kingstree ||||	Black					1.10													.13	2.60	.55											.17	4.55
Mayesville (near)	do			.07	.16	.25					T.								.15	1.94		.10									.49		3.16
Oaks	do			.02	.89	.10					.02								.40	.10		.04									.12		1.69
Orangeburg	Edisto				.04	.60	.11													1.44											.22	.10	2.51
Pinopolis	Cooper			.20	1.05														2.92												.10		4.27
Rimini ||||	Santee				.04	.30													.26	1.36											.16	.26	2.38
St. George ||||	Edisto				.07	.83	.04													1.90											.20	.02	3.06
St. Matthews ||||	Santee					.17	.16													1.43											.26		2.02
Society Hill ||||	do				.10	.17	.01													1.60	.01										.13	.23	2.25
Summerville	Ashley		T.	.02	.85	.46	T.	.01			T.								.55	2.00		.07					T.	T.		.03	.41		4.40
Walterboro	Ashepoo																																
Whitehall (near)	Combahee				.75	.42													1.80											.30			3.27
Yemassee ||||	do				.12	1.16	.10		.05	T.		T.								1.97							.02				.53	.06	4.01
Western Portion.																																	
Aiken	Edisto					.21	.07			.03									.11	.74											.11		1.27
Anderson	Savannah									1.04									.34	.30	.24									.04	.13		2.09
Batesburg ||||	Edisto					.11	.03												.18	1.30	.15	T.									.19		1.96
Blairs ||||	Broad					.12					.04								.05	1.10											.12		1.43
Calhoun Falls ||||	Savannah					.03				.11	1.21									3.21											.03	.09	4.68
Camden ||||	Wateree				.02	.26													.18	1.52											.15	.06	2.19
Catawba ||||	Catawba					.04													.04	1.15											.12		1.35
Chappells ||||	Saluda					.20													T.	.90													1.10
Clemson College	Savannah				T.	.12				.98									.36	.85	.05									.12			2.48
Columbia ***	Congaree			T.	.12	.02		T.		T.	T.							T.	.77	T.										T.	.41	.01	1.33
Edgefield ||||	Savannah																			.48	.40												0.88
Gaston Shoals ||||	Broad					.07	T.			T.							T.		T.	2.75		.07									.02		2.91
Greenville ||||	Saluda					.26	.01				T.									.97	.05	.15									.19	T.	1.58
Greenwood ||||	do					.12					.20								.10	.88	.05										.10		1.45
Heath Spring	Wateree																		1.74	.08													1.82
Kershaw	Lynches					.04													.07	1.39	.13										.05	.02	1.70
Landrum	Broad					.39													.94	1.31	.18										.30	.02	3.14
Liberty	Savannah				.04	.02				.20	T.								.35	.85	T.									.10	T.		1.56
Little Mountain	Saluda					.30													.45	.61													1.36
Meriwether	Savannah					T.				T.									1.15	T.									T.	T.			1.15
Monetta	Edisto				.01	.17												T.	.65	.56											.07		1.46
Mountain Rest	Savannah				T.	.23				.22	.01								.97	T.	.02									.73	.23	T.	2.41
Newberry	Saluda					.23				.01	.21								.40	.79	.02										.06		1.75
Pelzer ‡	do					.12	T.			.50	.24								.04	.84		.16									T.		1.90
Saluda	do					.19					.06							.40	.35	.25												.12	1.37
Santuck	Broad				T.	.19				.13									.50	.83	.11									T.	.06		1.82
Spartanburg ||||	do					.23	.03													2.00											.30		2.56
Trenton	Edisto				T.	.12													.41	.69											T.		1.22
Walhalla	Savannah				.03	.05				.03	T.								.57	1.26	.03									.53	.08		2.58
White Oak	Broad					.24													.56	.80	T.												1.60
Winthrop College	Catawba					.11													.40	1.00	1.00												2.51

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

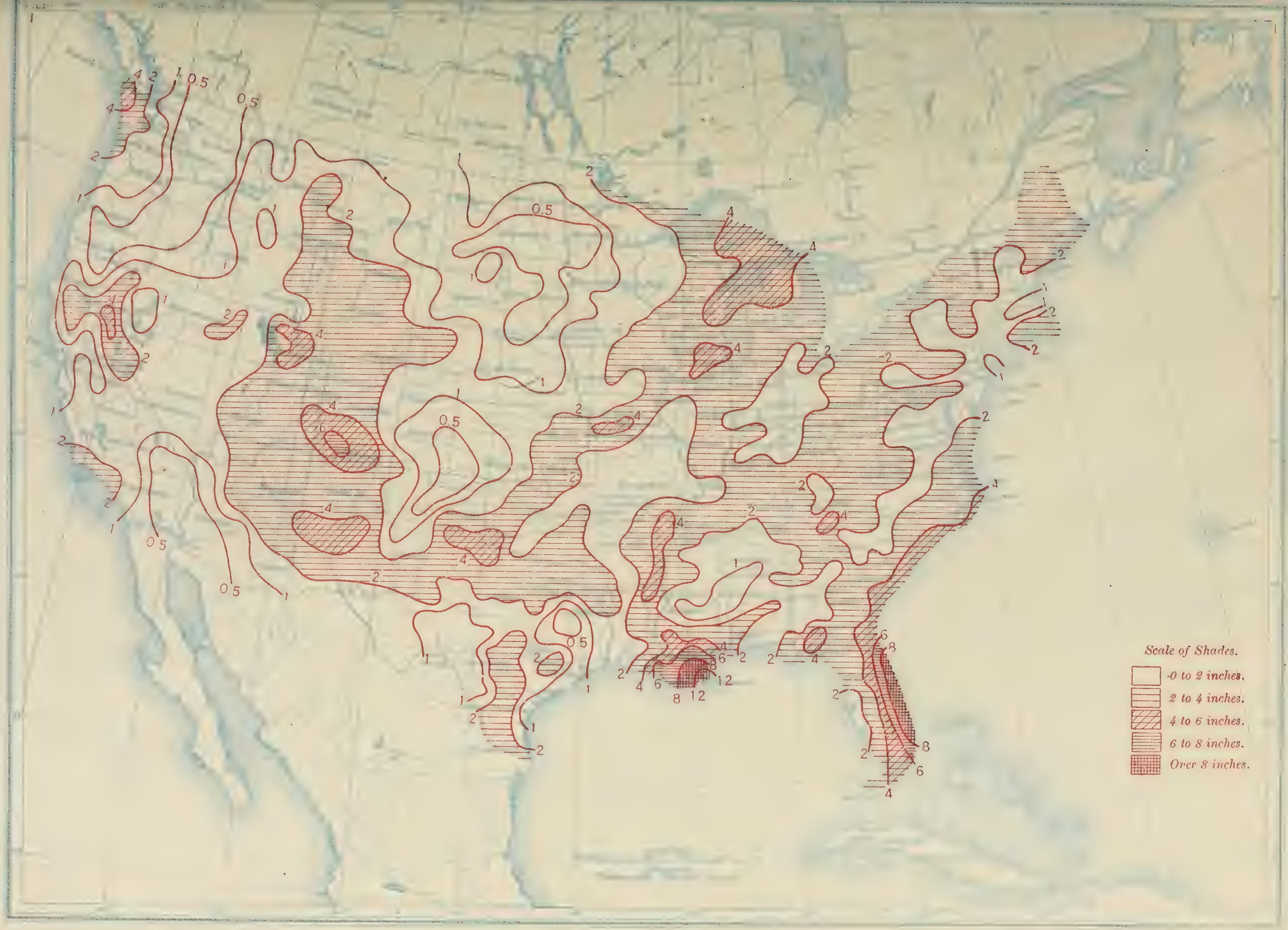
COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	61.4	91	30	5.96	8				n.
1888	59.3	88	31	4.18	7				sw.
1889	60.8	88	27	1.65	3				n.
1890	63.0	90	22	4.06					
1891	60.2	92	28	1.63					nw.
1892	63.8	89	27	0.60					ne.
1893	64.4	90	25	4.92	5	18	7	6	ne.
1894	64.2	98	33	1.95	5	20	6	5	ne.
1895	61.3	95	28	1.15	3	20	7	4	ne.
1896	61.3	91	28	1.41	4	15	8	8	ne.
1897	65.8	96	35	3.23	5	14	8	9	ne.
1898	62.9	90	28	3.82	9	14	8	9	ne.
1899	64.2	91	34	5.00	6	11	7	10	ne.
1900	67.6	95	33	3.65	9	13	7	11	ne.
1901	62.4	92	29	0.89	3	22	6	3	ne.
1902	63.2	95	30	4.40	7	19	5	7	ne
1903	62.0	93	25	2.63	5	18	6	7	n.
1904	62.4	98	26	1.10	3	23	5	3	ne.
1905	64.2	93	29	1.97	6	15	6	10	ne.
1906	61.9	90	24	3.69	7	14	6	11	ne.
1907	61.2	91	28	0.73	3	19	7	5	ne.
1908	62.0	89	35	4.22	6	19	6	6	ne.
1909	61.2	96	27	2.43	5	23	5	3	ne.
1910	66.5	100	22	4.39	6	20	7	4	ne.
1911	67.5	99	37	5.89	8	12	9	10	ne
1912	65.0	94	32	2.21	5	18	4	9	ne.
1913	62.5	95	28	3.56	6	19	6	6	ne
1914	64.7	92	26	3.44	8	13	7	11	ne
1915	67.0	93	27	4.95	8	18	7	6	ne.
1916	64.0	92	31	2.54	5	16	7	8	ne
Period	63.3	100	22	3.18	6	17	7	7	ne

Daily Temperatures for October, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	71	70	75	71	75	78	83	86	89	85	69	74	82	79	82	86	87	74	86	84	65	65	70	72	71	77	72	76	77	72	77	76.8
	Minimum	49	49	52	54	62	67	68	67	64	65	52	44	48	49	55	55	62	69	63	65	44	42	44	46	54	59	51	49	52	58	62	55.5
Beaufort	Maximum	...	75	68	74	79	74	77	80	83	83	76	70	80	84	79	81	82	76	...	86	75	65	65	70	76	75	70	72	71	69	74	b 75.5
	Minimum	51	50	51	60	67	68	69	69	65	63	51	49	61	64	58	60	67	68	...	60	48	45	47	51	56	60	58	48	57	64	61	a 58.3
Blackville §§	Maximum	75	74	79	71	80	82	88	90	90	86	73	79	84	85	87	91	90	73	86	85	67	69	72	75	68	81	76	81	80	77	81	79.8
	Minimum	43	49	51	59	61	65	64	66	64	65	48	39	45	54	52	54	64	68	59	64	40	38	42	45	47	54	47	43	46	48	61	53.1
Bowman	Maximum	70	71	72	75	80	82	84	88	89	88	65	75	82	80	85	87	85	84	80	85	78	62	68	70	73	74	75	76	79	80	81	78.1
	Minimum	45	50	55	60	67	68	66	66	65	60	45	37	48	47	46	57	60	62	65	70	60	39	42	45	52	48	42	48	52	54	55	54.1
Centenary	Maximum	68	66	66	74	83	78	85	87	89	77	67	75	83	74	79	88	88	78	84	85	74	65	67	69	77	71	71	73	79	74	76	76.5
	Minimum	46	51	53	61	68	66	67	67	61	57	43	39	47	50	45	56	64	58	66	68	47	42	46	47	50	57	50	43	55	62	57	54.5
Charleston	Maximum	68	66	69	75	77	76	78	80	80	81	66	73	80	74	73	82	84	75	80	83	68	65	67	71	76	70	70	71	73	69	75	70.4
	Minimum	53	56	58	65	69	68	70	81	66	57	52	55	61	64	61	63	70	70	71	68	49	48	50	53	59	61	57	54	60	64	62	60.8
Cheraw §§	Maximum	69	69	66	68	83	79	87	87	86	70	68	76	81	74	77	87	81	70	82	82	68	64	67	71	75	75	69	76	79	64	76	75.0
	Minimum	45	49	54	60	66	64	61	60	60	65	40	37	47	50	48	60	66	54	60	62	43	41	42	42	44	56	46	41	52	60	59	52.7
Conway §§	Maximum	66	68	67	74	76	74	78	78	81	74	69	69	73	75	76	83	78	75	77	76	69	67	69	72	72	72	70	68	79	66	69	72.9
	Minimum	46	52	52	62	66	66	58	69	61	65	43	45	52	57	48	58	62	60	61	69	51	43	47	47	53	56	49	45	54	62	59	55.4
Darlington §§	Maximum	68	68	66	70	82	78	86	89	89	71	68	77	80	78	80	86	81	74	86	84	67	65	68	...	80	...	72	75	79	66	67	b 75.9
	Minimum	...	48	53	60	63	65	63	64	61	66	41	39	45	51	44	58	65	55	57	68	44	40	42	43	45	57	45	41	53	58	58	a 53.1
Dillon	Maximum	68	67	66	71	81	76	84	87	86	74	66	74	81	73	78	80	83	75	79	83	76	64	67	69	78	71	69	74	78	64	75	74.7
	Minimum	54	50	55	61	61	72	65	62	51	54	65	40	47	54	46	63	65	57	62	69	70	42	48	45	47	57	59	50	55	60	58	56.3
Ferguson §§	Maximum	65	65	71	80	80	80	84	86	86	80	66	72	72	76	80	85	86	86	83	84	66	64	67	70	77	73	78	72	80	67	74	76.0
	Minimum	...	58	58	58	62	67	68	68	66	67	52	52	54	61	62	64	66	71	72	67	48	48	49	49	52	54	50	53	52	54	60	a 58.7
Florence 1 §§	Maximum	69	69	65	69	85	78	88	90	91	71	66	77	81	79	81	89	82	72	86	84	67	66	68	72	81	76	68	76	82	67	76	76.5
	Minimum	43	44	51	56	63	63	64	65	63	64	41	42	44	52	47	58	63	57	58	67	45	41	43	44	45	49	46	44	46	58	59	52.4
Georgetown	Maximum	70	68	68	80	83	82	85	86	88	80	80	76	82	77	78	88	89	75	82	85	80	70	72	76	79	72	72	74	78	71	78	78.2
	Minimum	49	53	56	62	62	66	69	70	62	57	49	47	49	61	52	58	54	65	69	69	49	42	48	51	56	60	52	47	48	63	60	56.6
Kingstree §§	Maximum	70	66	67	74	82	76	82	88	88	75	64	73	82	75	79	86	87	75	85	85	67	67	65	71	77	73	68	73	81	66	75	75.5
	Minimum	47	51	53	56	66	67	67	69	61	62	45	44	50	55	50	58	64	61	60	67	46	44	45	47	49	54	50	42	51	63	60	55.0
Mayesville (near)	Maximum	68	69	65	71	82	78	85	88	88	78	66	73	81	75	79	81	82	75	87	85	79	65	67	70	77	73	70	74	79	74	76	76.1
	Minimum	46	50	55	60	68	66	65	64	65	59	44	34	46	53	45	58	64	58	60	65	43	39	44	46	48	58	46	41	57	62	60	53.8
Oaks	Maximum	68	67	65	76	82	77	84	86	88	80	68	75	82	75	78	87	87	75	86	86	74	...	67	69	73	80	71	76	77	80	79	a 77.3
	Minimum	47	52	56	62	69	66	67	68	60	57	52	44	50	55	47	56	63	67	67	64	47	...	42	41	48	52	57	45	46	56	60	a 55.4
Orangeburg	Maximum	69	69	71	71	79	78	83	85	87	81	...	73	82	76	...	92	...	...	88	88	66	65	67	71	74	75	71	75	78	70	76	d 76.3
	Minimum	48	47	50	54	60	66	66	65	64	64	50	39	44	52	52	...	59	...	...	...	45	40	43	45	47	54	50	46	48	58	61	d 52.5
St. George §§	Maximum	71	70	69	73	79	74	80	87	92	83	69	75	84	79	84	90	87	74	87	89	68	67	68	72	78	74	72	76	78	69	77	77.3
	Minimum	47	50	53	60	67	63	63	67	60	65	49	45	54	57	52	60	63	65	67	64	47	41	43	46	53	59	50	47	55	60	59	55.8
St. Matthews §§	Maximum	69	70	73	76	79	79	84	86	92	81	67	73	84	77	82	90	89	73	85	85	69	66	66	70	75	75	71	74	79	71	77	76.8
	Minimum	43	44	51	56	62	65	63	66	62	67	46	40	49	54	49	61	64	61	58	66	41	39	42	45	50	54	46	44	50	61	61	53.5
Society Hill §§	Maximum	69	69	67	70	82	79	85	87	87	73	67	74	82	74	79	87	84	73	83	83	67	64	67	69	77	73	71	74	77	66	77	75.4
	Minimum	43	48	53	59	62	64	63	63	62	67	39	38	44	51	42	59	66	56	54	68	42	39	42	43	44	58	45	42	50	60	59	52.4
Summerville	Maximum	69	68	69	73	79	76	81	84	84	81	66	72	81	75	77	81	83	73	81	82	74	67	67	71	77	72	70	73	79	69	74	75.1
	Minimum	49	54	56	61	68	67	69	63	64	60	50	46	57	58	54	60	64	65	69	65	45	42	46	49	54	59	53	48	58	63	60	57.3
Walterboro	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yemassee §§	Maximum	72	71	72	75	78	76	81	86	88	86	70	76	83	80	81	86	85	74	87	81	67	67	70	74	78	73	73	76	77	71	79	77.3
	Minimum	47	50	52	59	68	66	66	67	61	64	50	41	42	56	52	56	64	67	71	64	41	37	42	46	54	56	53	42	46	62	60	54.9
Western Portion.																																	
Aiken	Maximum	67	69	74	73	77	78	84	83	85	83	68	72	80	77	80	87	83	80	81	86	76	63	65	69	72	76	75	73	75	72	75	75.9
	Minimum	45	48	51	48	67	64	64	67	69	66	49	45	55	57	54	62	67	57	56	64	39	41	43	45	53	58	49	48	59	59	59	55.1
Anderson	Maximum	69	73	82	73	74	88	89	89	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	74	65	71	80	...
	Minimum	43	44	47	56	62	61	60	60	66	56	47	43	44	54	52	56	64	46	50	46	37	35	41	43	44	49	46	44	53	55	51	50.2
Batesburg §§	Maximum	68	68	78	69	75	74	86	84	83	79	66	72	79	76	78	84	80	72	81	80	61	63	65	69	74	76	70	73	74	75	70	74.5
	Minimum	45	46	47	50	57	64	66	64	67	67	47	39	41	52	55	57	64	60	54	63	41	40	41	42	45	51	46	45	47	54	58	52.1
Camden §§	Maximum	62	66	68	70	70	68	77	77	77	75	74	72	69	67	74	...	...	72	...	...	64	55	61	...	...	69	68	68	68	68	68	f 69.0
	Minimum	52	52	53	60	66	67	67	66	73	71	38	38	52	53	56	60	60	56	56	55	56	52	52	49	49	49	49	50	50	58	60	55.6
Clemson College	Maximum	65	66	72	70	72	79	82	80	82	77	67	70	69	69	78	79	76	74	74	69	64	59	70	69	67	67	67	67	58	68	71	70.9
	Minimum	44	45	46	57	64	62	59	60	68	65	52	40	43	56	57	58	62	50	51	62	39	34	40	40	42	45	42	40	52	58	52	51.1
Columbia	Maximum	67	66	71	69	78	77	84	84	85	76	64	71	78	73	78	84	82	71	82	81	63	62	65	68	73	74	69	73	75	69	75	73.8
	Minimum	46	49	53	60	67	65	62	68	68	56	47	45	52	56	52	63	68	55	70	52	43	41	44	42	50	58	50	45	58	62	59	55.0
Greenville §§	Maximum	68	70	77	69	73	81	87	86	88	80	67	75	78	77	75	86	83	65	77	73	65	65	68	71	75	74	73	73	62	72	78	74.6
	Minimum	43	42	45	53	62	62	56	55	61	63	46	35	38	42	47	54	58	54	47	61	33	33	36	41	39	42	39	37	43	47	49	47.2
Greenwood §§	Maximum	66	77	74	68	74	80	83	85	81	78	65	70	67	75	74	83	80	71	79	75	60	62	64	68	70	72	68	72	65	70	76	72.6
	Minimum	43	45	45	49	58	62	59	60	60	65	46	39	40	50	49	52	61	56	50	60	39	37	38	41	41	44	44	40	42	55	56	49.2
Heath Spring	Maximum	83	78	77	78	77	78	84	82	84	84	84	81	81	78	76	84	79	79	79	78	78	71	68	68	70	70	71	74	72	68	70	76.9
	Minimum	41	44	45	48	56	62	59	61	65	55	58	40	40	45	46	60	65	57	57	53	40	38	40	40	40	40	47	54	47	40	44	49.3
Kershaw §§	Maximum	67	66	70	67	80	86	85	88	87	75	63	67	78	72	77	85	78	72	81	80	63	65	66	70	77	76	70	72	76	72	75	74.2
	Minimum	42	46	49	53	59	62	60	62	62	66	40	39	45	53	44	51	62	53	53	65	39	40	40	42	44	49	46	44	48	56	57	50.7
Landrum	Maximum	67	69	75	72	70	82	85	84	88	78	65	72	78	74	71	86	83	...	77	72	62	63	66	69	71	73	69	70	62	71	76	73.3
	Minimum	41	41	48	53	60	60	55	55	62	59	38	35	37	54	49	59	64	45	46	59	42	40	38	36	38	51	60	38	48	55	47	48.8
Liberty	Maximum	66	68	74	70	73	82	85	85	87	76	65	71	75	75	72	82	78	74	74	71	64	64	66	68	72	72	69	71	62	71	75	72.8
	Minimum	56	56	47	56	54	63	58	56	67	61	49	37	44	50	54	61	63	48	48	48	37	33	43	46	41	46	42	42	54	54	50	50.5
Little Mountain	Maximum	67	67	72	67	77	75	83	85	83	77	64	70	78	73	76	84	80	66	79	79	66	60	63	67	72	70	72	73	73	72	73	73.0
	Minimum	43	45	50	55	66	62	60	65	69	60	45	41	51	56	54	52	68	55	55	64	40	39	41	41	40	45	44	44	54	57	57	52.2
Meriwether	Maximum	70	76	74	70	71	80	88	86	86	86	69	75	83	80	81	88	83	77	84	73	65	65	67	71	70	80	73	76	75	74	79	76.6
	Minimum	45	47	54	58	66	63	60	70	70	64	49	38	50	50	50	62	65	54	62	64	...	32	39	40	43	53	46	40	46	56	57	a 53.1
Monetta	Maximum	67	68	73	67	76	76	84	84	84	79	65	72	80	76	80	84	82	75	82	80	69	62	65	68	74	76	70	74	75	77	78	74.9
	Minimum	45	45	51	57	65	64	63	67	69	59	47	44	52	...	52	62	66	55	56	63	41	40	43	45	51	57	49	47	55	59	60	a 54.3
Mountain Rest	Maximum	67	69	75	75	70	82	83	82	87	78	63	70	76	77	70	83	80	71	68	74	60	63	68	70	75	72	71	68	63	68	77	72.7
	Minimum	41	40	38	48	60	56	56	55	63	60	47	36	39	47	54	59	58	54	46	52	31	31	35	35	34	45	39	40	51	56	50	47.0
Newberry	Maximum	68	68	75	68	80	79	85	87	85	79	67	73	80	74	79	85	83	73	82	80	66	62	66	69	74	74	70	75	70	74	77	75.1
	Minimum	43	44	50	58	66	62	59	62	67	61	46	38	44	49	49	61	67	52	54	64	38	37	41	42	43	52	44	43	55	55	59	51.8
Saluda	Maximum	71	78	76	67	77	80	87	85	86	83	69	75	82	78	79	85	81	73	83	80	65	66	67	71	78	78	72	75	71	75	80	76.5
	Minimum	41	41	49	55	65	62	56	69	65	61	47	...	41	46	45	61	65	53	55	63	37	32	36	40	51	50	41	34	51	56	57	a 50.8
Santuck	Maximum	67	68	74	68	78	80	86	87	85	76	65	73	80	75	77	87	83	76	80	78	63	61	65	69	72	72	69	73	68	73	75	74.3
	Minimum	41	43	48	55	65	61	58	59	65	59	43	38	41	52	47	60	66	49	52	60	37	36	40	40	42	51	43	40	51	56	54	50.1
Spartanburg §§	Maximum	66	62	73	64	74	82	67	88	87	74	66	73	78	76	74	86	83	62	78	70	63	72	65	68	72	71	68	71	63	69	76	72.3
	Minimum	42	43	44	49	60	61	59	58	59	65	42	40	40	41	47	59	60	55	46	61	38	35	35	40	41	44	42	39	41	55	53	48.2
Trenton	Maximum	67	67	73	67	75	76	78	84	81	81	65	72	78	76	78	84	81	73	79	79	66	64	64	69	74	77	76	74	73	72	74	74.1
	Minimum	43	45	57	57	66	65	63	63	69	61	48	42	58	56	52	62	66	54	55	63	39	37	41	42	49	56	56	56	56	56	62	54.7
White Oak	Maximum	69	70	73	68	80	79	87	89	86	78	78	75	78	76	78	85	85	77	82	81	71	64	66	70	75	74	70	74	76	72	76	76.2
	Minimum	42	44	50	56	66	62	60	62	66	58	42	43	49	55	49	61	66	51	54	63	38	38	40	41	44	53	45	45	52	57	57	51.9
Winthrop College	Maximum	63	63	63	66	65	75	87	87	78	76	60	63	68	70	70	90	78	74	73	74	69	55	63	60	67	68	63	64	65	77	75	70.0
	Minimum	42	43	49	54	43	60	56	59	65	59	39	39	44	64	46	70	65	41	52	62	39	39	40	41	42	42	44	40	41	55	56	49.4

Reference letters (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.
§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
-0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.

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CLIMATOLOGICAL DATA

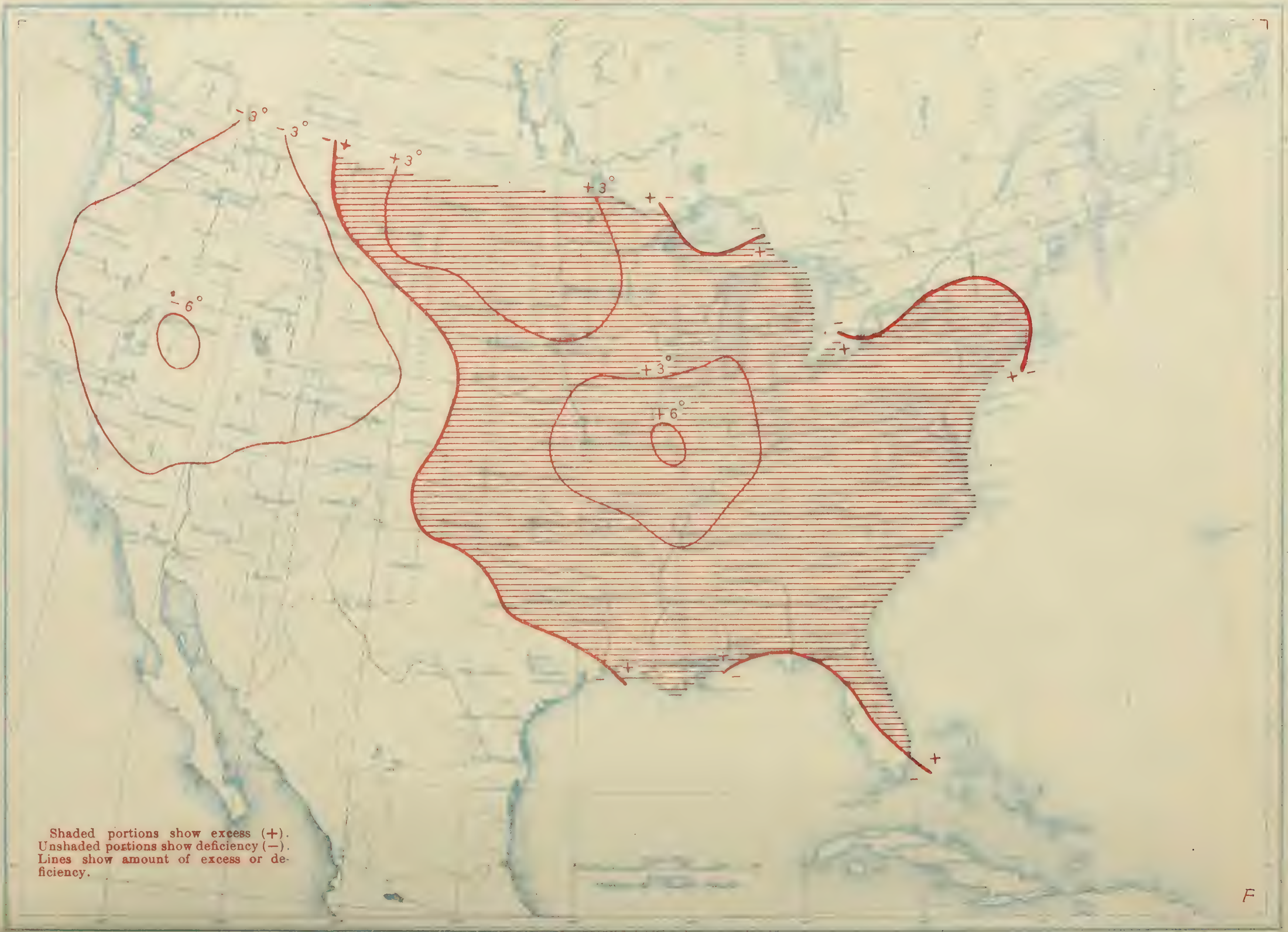
SOUTH CAROLINA SECTION

NOVEMBER, 1916

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
January 9, 1917.

Departure of the Mean Temperature from the Normal, November, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (-).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

Vol. XIX. Columbia, S. C., November, 1916. No. 11.

GENERAL SUMMARY.

Thermal conditions during November were nearly ideal, but the weather was exceptionally dry, and practically all crops were harvested during the early part of the month. The first general autumn killing frosts of the 16th came about one week later than usual, and truck in the northern counties and late cotton throughout the Section were killed, while in the winter trucking regions of the coastal plain the damage was serious, especially as regards beans and lettuce. The top bolls of late cotton were in such condition, however, that many will open with favorable weather; there was still considerable picking to be done, and indications point to much closer gleaning of loose cotton and late-opening bolls than has been the custom hitherto, thus materially increasing the yield. Winter grains, while set back by the frosts, have come into good condition again. Although the ground was too dry for satisfactory plowing, the preparation of land was progressing favorably.

PRESSURE.

The mean sea-level pressure determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.19 inches. The highest pressure in the region covered by reports was 30.62 inches at Asheville, N. C., on the 26th, and in the Section proper, 30.59 inches at Columbia on the same date; lowest pressure, 29.52 inches at Asheville, N. C., on the 23rd, and in the Section proper, 29.65 inches at Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 41 stations, was 54.5° or 0.6° above the established normal. The highest temperature was 88° at Blackville, Barnwell Co., on the 7th. The warmest periods of the month were on the 4th and 5th and the 9th and 10th, and a few stations reported short warm periods on the 13th and 14th. The lowest temperature was 17° at Saluda, Saluda Co., on the 26th. The coldest periods were from the 16th to the 18th and between the 25th and 27th. The first general autumn killing frosts occurred on the 16th, when freezing temperatures prevailed to the southern coast.

HUMIDITY.

The mean relative humidity, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 80%; 8 p. m., 67%. The highest percentages occured over the lower Savannah and southern coast counties, and the lowest, over the north-central district.

PRECIPITATION.

The average for the Section, 56 stations reporting, was 1.21 inches, or 1.09 inches below the normal. The showers during the rainy periods of the 10-15th, 23-24th, and 28-30th were generally light and insufficient as to amounts, but few stations reporting totals of 2 inches or more, while in an extensive area of the north-central portions the measurements were close to one-half inch. The greatest local monthly amount was 3.23 inches at Mountain Rest, Oconee Co.; least amount, 0.50 inch at Chappells, Newberry Co., and Winthrop College, York Co. The greatest 24-hour amount at any station was 1.40 inches at Society Hill, Darlington Co., on the 12th The number of rainy days averaged 20% below normal.

There was no snow in the Section during the month.

WIND.

The prevailing winds were from the northeast. The average hourly velocity, determined from 7 anemometer records, was 8.1 miles. The highest average in the region covered by reports was 10.8 miles per hour at Savannah, Ga.; lowest average, 4.7 miles per hour at Augusta, Ga. The average hourly velocities in the Section proper were 9.4 miles at Charleston and 6.0 miles at Columbia. The highest velocity for any 5-minute period was 39 miles per hour from the south at Charlotte, N. C., on the 23rd, and in the Section proper, 34 miles per hour from the southwest at Charleston on the same date.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 222.2 hours, or 71% of the possible amount. The average number of clear days was 18; partly cloudy, 5, and cloudy, 7, as against normals of 16, 7, and 7 days, respectively.

RIVER CONDITIONS.

The rivers of the Section were uniformly low throughout the month.

MISCELLANEOUS PHENOMENA.

Fog, Dense (dates).—Charleston, 12, 30; Cheraw, 13, 29; Columbia, 29, 30; Darlington, 13; Edisto, 13; Mayesville (near), 29, 30; Meriwether, 13; Monetta, 12, 13; Pelzer, 14; Rimini, 19, 21.

Frosts, Killing (Dates and number of Stations).—3d, 1; 4th, 3; 5th, 1; 16th, 42. Dates after first autumn killing frost are not considered.

MISCELLANEOUS DATA FOR NOVEMBER, 1916.

Stations	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C.	30.22	46.3	70	18	1.36	0.37	8.9	nw.	84	58	70
Augusta, Ga.	30.18	55.6	80	26	1.46	0.77	4.7	nw.	88	68	71
Charleston, S. C.	30.17	59.2	79	32	1.11	0.52	9.4	n.	79	77	80
Charlotte, N. C.	30.19	53.0	78	23	0.36	0.18	10.0	ne.	75	58	71
Columbia, S. C.	30.18	55.2	80	28	0.56	0.24	6.0	ne.	73	56	67
Savannah, Ga.	30.17	60.2	81	34	1.19	0.68	10.8	ne.	77	75	63
Wilmington, N. C.	30.19	56.6	80	29	1.97	1.04	6.6	ne.	83	77	77
Means and extremes	30.19	55.2	81	18	1.11	1.04	8.1	ne	80	67	71

Climatological Data for November, 1916.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	27	56.6	+1.3	83	10	24	26	39	1.09	−0.57	0.45	0	4	17	8	5	e.	R. B. Vance.
Beaufort	Beaufort	21	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Miss Lillian H. Rice.
Blackville	Barnwell	296	27	57.7	+2.2	88	7	23	†16	52	1.07	−0.98	0.30	0	5	20	6	4	.....	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	15	55.2	+1.0	81	13	20	26	47	1.50	−0.47	0.46	0	5	18	5	7	ne.	B. O. Evans.
Centenary	Marion	43	1	57.6	....	84	10	24	26	44	1.77	....	0.85	0	4	17	5	8	ne.	D. L. Carmichael.
Charleston	Charleston	48	45	59.2	+1.1	79	10	32	16	26	1.11	−1.76	0.52	0	6	16	8	6	n.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	26	53.8	+1.9	81	5	24	17	39	0.99	−1.20	0.47	0	6	...	...	...	.....	J. H. Powe.
Conway	Horry	25	30	54.5	+0.4	78	4	24	26	40	1.30	−0.98	0.45	0	5	...	...	...	.....	Paul Quattlebaum.
Darlington	Darlington	175	21	54.2	+2.1	82	† 5	23	27	56	0.69	−1.59	0.36	0	4	19	1	10	.....	D. C. McCall.
Dillon	Dillon	100	13	.....	.....	.....	.....	....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. E. Rowell.
Edisto ‡‡	Bamberg	143	28	.....	.....	.....	.....	....	....	...	0.65	−1.66	0.40	0	3	.....	.....	.....	.....	Nathan Jenkins.
Effingham	Florence	106	23	.....	.....	.....	.....	....	....	...	1.02	−1.22	0.50	0	3	.....	.....	.....	.....	H. B. McCall.
Ferguson	Orangeburg	63	30	^{d}56.4	+1.3	83	14	^{d}29	†17	^{d}36	1.39	−0.99	0.65	0	4	.....	.....	.....	.....	Joseph P. Simons.
Florence 1	Florence	136	27	54.6	+0.5	87	10	25	26	43	0.66	−1.45	0.51	0	3	19	6	5	ne.	H. K. Gilbert.
Florence 2	do	136	1	.....	.....	.....	.....	....	.....	..	0.90	−1.21	0.50	0	2	24	5	1	e.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	21	57.6	+1.6	83	10	25	26	38	1.23	−1.20	0.83	0	3	25	1	4	n.	A. P. Hazard.
Kingstree	Williamsburg	54	27	.....	.....	r82	10	24	25	37	1.20	−0.98	0.78	0	2	24	0	6	ne.	A. O. Matthews.
Mayesville (near)	Sumter	70	1	55.8	.....	82	14	24	†26	45	1.48	....	0.36	0	6	17	5	8	e.	Lewis E. Warren.
Oaks ††	Georgetown	.....	1	^{a}57.4	.....	^{a}84	12	^{a}23	17	^{a}45	1.21	....	0.60	0	5	18	6	6	.....	O. M. Mitchell.
Orangeburg	Orangeburg	264	....	53.6	.....	82	10	23	26	41	0.77	....	0.40	0	2	11	0	19	n.	U. S. Fisheries Station.
Pinopolis **	Berkeley	54	66	55.1	+0.5	75	14	30	26	.	2.65	+0.15	0.85	0	5	16	13	1	.....	Miss E. P. Ravenel.
Rimini	Clarendon	97	2	.....	.....	.....	.....	.....	...	..	1.05	....	0.35	0	5	.....	.....	.....	.....	William B. Wolfe.
St. George	Dorchester	109	27	57.4	+2.2	85	10	28	†17	42	1.32	−0.63	0.45	0	6	20	2	8	se.	R. S. Weeks.
St. Matthews	Calhoun	62	20	54.2	−0.3	83	10	24	26	46	1.47	−0.67	0.53	0	5	20	6	4	nw.	J. S. Wannamaker.
Society Hill	Darlington	192	24	53.3	+1.1	83	5	23	27	43	1.72	−0.55	1.40	0	5	19	9	2	n.	A. H. Rogers.
Summerville	Dorchester	75	18	56.8	+1.4	80	10	26	17	36	1.38	−0.97	0.50	0	6	9	21	0	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	13	.....	.....	.....	.....	....	....	...	.....	.....	.....	.....	..	.....	.....	.....	.....	
Whitehall (near)	do	4	..	.....	.....	.....	.....	....	....	..	1.65	....	0.60	0	4	22	3	5	e.	Special Rice Exp. Station
Yemassee	Hampton	24	20	55.9	+0.8	83	10	22	26	41	1.74	−0.32	0.74	0	5	16	5	9	ne.	J. G. Hutson.
Division means and	extremes	..	..	55.8	+1.1	88	7	20	26	52	1.27	−0.88	1.40	0	4	17	7	6	ne.	
Western Portion.																				
Aiken	Aiken	527	55	56.8	+2.2	81	14	25	16	48	1.24	−1.50	0.63	0	5	20	1	9	ne.	W. M. Brown.
Anderson	Anderson	764	20	55.0	+2.2	84	9	23	16	49	1.24	−1.56	0.60	0	5	19	0	11	w.	H. H. Russell.
Batesburg	Lexington	656	27	53.6	−0.1	80	5	24	16	38	1.01	−1.65	0.63	0	3	18	8	4	ne.	E. J. Hite.
Blairs	Fairfield	293	13	.....	.....	.....	.....	.....	....	....	0.63	−1.71	0.40	0	3	.....	.....	.....	.....	J. N. Owens.
Calhoun Falls	Abbeville	508	23	.....	.....	.....	.....	....	....	....	1.07	−1.24	0.42	0	3	.....	.....	.....	.....	L. M. Parker.
Camden	Kershaw	222	56	....	.....	.....	.....	23	16	...	0.56	−1.80	0.15	0	5	20	3	7	ne.	W. C. Brown.
Catawba	York	562	12	.....	.....	.....	.....	.....	.....	...	0.70	−1.74	0.51	0	3	.....	.....	...	.....	James C Faris.
Chappells	Newberry	402	12	.....	.....	.....	.....	...	.....	...	0.50	−1.89	0.50	0	1	.....	.....	...	.....	J. J. Murran.
Clemson College	Oconee	850	24	52.8	+2.4	73	14	24	†16	41	1.87	−0.89	0.41	0	6	16	3	11	ne.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	29	55.2	+1.4	80	9	28	16	35	0.56	−1.67	0.24	0	5	17	5	8	ne.	U. S. Weather Bureau
Edgefield	Edgefield	.....	2	.....	.....	.....	.....	.....	.....	.....	1.25	.....	0.45	0	3	.....	.....	.....	...	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	3	.....	.....	.....	.....	.....	.....	...	0.67	−1.90	0.37	0	4	.....	.....	..	.....	Harry A. Parshall
Greenville	Greenville	989	23	50.6	+1.2	84	5	20	26	50	2.01	−1.17	0.46	0	8	16	7	7	sw.	J. H. Woodside.
Greenwood	Greenwood	671	27	52.2	+0.2	79	5	22	16	40	1.03	−1.72	0.60	0	3	20	0	10	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	15	54.7	+3.8	79	6	20	16	51	0.51	−1.56	0.22	0	4	15	9	6	ne.	J. Marvin Bowers.
Kershaw	Kershaw	500	....	52.8	......	82	5	22	16	40	0.52	....	0.17	0	5	22	0	8	e.	John W. Hamel.
Landrum	Spartanburg	1063	1	52.2	......	79	5	20	27	47	1.94	....	0.78	0	7	19	4	7	.....	R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	17	51.7	+1.0	80	5	21	16	47	2.02	−0.77	0.75	0	5	16	8	6	sw.	John T. Boggs.
Little Mountain	Newberry	711	23	54.8	+1.0	79	5	24	16	39	0.87	−1.64	0.51	0	4	19	1	10	n.	J. M. Sease, M. D.
Meriwether	McCormick	450	13	^{b}55.0	+2.3	^{b}83	9	^{b}23	16	^{b}48	1.16	−1.52	0.64	0	3	.....	.....	.....	.....	William S. Middleton.
Monetta	Saluda	400	9	56.4	......	82	5	26	16	45	1.17	....	0.41	0	7	18	10	2	ne.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	....	^{b}51.1	......	^{b}81	5	^{b}19	16	^{b}47	3.23	....	0.95	0	6	19	3	8	.....	J. H. Brown.
Newberry	Newberry	502	13	53.4	+1.6	81	5	21	†16	47	0.79	−1.18	0.56	0	4	15	7	8	ne.	Warren G. Peterson.
Pelzer	Anderson	850	12	.....	.....	.....	.....	.....	.....	.....	1.46	−1.09	0.80	0	7	.....	.....	.....	.....	Joshua Y. Jones.
Saluda	Saluda	536	15	52.9	−0.1	82	5	17	26	48	1.18	−1.35	0.67	0	3	20	3	7	e.	Mrs. F. V. J. Maxwell
Santuck	Union	512	23	52.6	+1.5	81	5	20	16	47	0.68	−2.13	0.40	0	5	17	6	7	n.	E. W. Jeter.
Spartanburg	Spartanburg	875	13	50.6	0.0	80	4	20	16	50	1.17	−1.69	0.55	0	4	.....	.....	.....	.....	F. P. Robinson.
Trenton	Edgefield	620	27	^{b}55.4	+0.5	^{b}78	10	^{b}24	16	^{b}38	1.67	−0.91	1.00	0	3	20	6	4	e.	Mrs. S. E. Long.
Walhalla	Oconee	1061	13	.....	.....	.....	.....	.....	.....	.....	2.38	−0.03	0.90	0	7	15	9	6	w.	H. W. Brandt.
White Oak	Fairfield	548	....	54.8	+2.0	81	5	23	†16	41	0.55	−1.70	0.34	0	3	18	9	3	ne.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	17	51.8	+0.1	74	5	22	16	32	0.50	−1.86	0.30	0	2	20	4	6	n.	W. P. Goodman.
Division means and	extremes	.....	...	53.5	+1.4	84	† 5	17	26	50	1.17	−1.43	1.00	0	4	18	5	7	ne.	
Section means and	extremes	.....	...	54.5	+0.6	88	7	17	26	52	1.21	−1.09	1.40	0	4	18	5	7	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (a, b, c), appearing in the table indicate number of days missing; for example, b represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.
T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for November, 1916.

Stations.	Watersheds.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Eastern Portion.																																	
Allendale ‖‖	Savannah											T.	T.			.20									.29					.45	.15		1.09
Beaufort	Coast																																
Blackville ‖‖	Edisto	.03											.30													.24				.30	.20		1.07
Bowman	....do															.46							.12	.35					.22		.35		1.50
Centenary	Pee Dee											.40			T.	.85								.18						.34	T.		1.77
Charleston ***	Coast								T.						.03	.47								.04					.01	.51	.05		1.11
Cheraw ‖‖	Pee Dee										T.		.47			.13								.10	.14					.06	.09		0.99
Conway ‖‖	Waccamaw															.40	.10								.35					.35	.10		1.30
Darlington ‖‖	Pee Dee													.36		.16									.14						.03		0.69
Dillon	Little Pee Dee																																
Edisto ‖‖	Edisto															.04									.21					.40			0.65
Effingham ‖‖	Lynches												.40			.50										.12		T.					1.02
Ferguson ‖‖	Santee															.62								.02	.10					.65			1.39
Florence 1 ‖‖	Pee Dee												.10		T.										.51					T.	.05		0.66
Florence 2	....do											.40												.50							T.		0.90
Georgetown	Coast															T.								.25						.83	.15		1.23
Kingstree ‖‖	Black															.42	T.													.78			1.20
Mayesville (near)	....do											.75	.05	T.		.18									.36					.10	.04		1.48
Oaks	....do															.60								.15	.07					.33	.06		1.21
Orangeburg	Edisto												.40			T.									.37								0.77
Pinopolis	Cooper															.80								.10					.85	.10	.80		2.65
Rimini ‖‖	Santee									T.			.09			.19									.35					.22	.20		1.05
St. George ‖‖	Edisto												.23		.01	.45									.20					.32	.11		1.32
St. Matthews ‖‖	Santee												.53			.13									.16					.35	.30		1.47
Society Hill ‖‖	....do												1.40			.11									.15					.05	.01		1.72
Summerville	Ashley								.03			T.		.02		.50								.36						.30	.17		1.38
Walterboro	Ashepoo																																1.28
Whitehall (near)	Combahee											.60												.50	.30					.35	.20		1.65
Yemassee ‖‖	....do											.54	.05			.44									.49					.22			1.74
Western Portion.																																	
Aiken	Edisto											.06												.37					.05	.63	.13		1.24
Anderson	Savannah												.09											.39					.10	.60	.06		1.24
Batesburg ‖‖	Edisto												T.		T.										.63					.21	.17		1.01
Blairs ‖‖	Broad																								.09					.40	.15		0.63
Calhoun Falls ‖‖	Savannah																								.29					.42	.36		1.07
Camden ‖‖	Wateree												.15		.04	.07									.15					.15			0.56
Catawba ‖‖	Catawba																								.31					.23	.16		0.70
Chappells ‖‖	Saluda																							T.	T.					.50	T.		0.70
Clemson College	Savannah										.14		.18		.02									.81					.12	.60			1.87
Columbia ***	Congaree											.24	T.	T.	.01									.07					T.	.15	.09		0.56
Edgefield ‖‖	Savannah																								.40				.40	.45			1.25
Gaston Shoals ‖‖	Broad										.02		T.	T.		T.								T.	.37					.16	.12		0.67
Greenville ‖‖	Saluda	.56									.10			.17	.03									.16	.40					.45	.14		2.01
Greenwood ‖‖	....do																								.25					.60	.18		1.03
Heath Spring	Wateree												.09											.22						.18	.02		0.51
Kershaw	Lynches												.03			.09									.17					.11	.12		0.52
Landrum	Broad												.17	.02	.21	.03								.78					.05	.68			1.94
Liberty	Savannah										.04		.30											.75						.25	.68		2.02
Little Mountain	Saluda											.03												.22						.51	.11		0.87
Meriwether	Savannah											T.			T.								T.	.28					T.	.64	.24		1.16
Monetta	Edisto											.03	.05	.01										.27					.02	.41	.38		1.17
Mountain Rest	Savannah											T.	.57	.07	.39									.95					.50	.75			3.23
Newberry	Saluda													.01										.16						.56	.06		0.79
Pelzer ‖‖	....do										.04		.02	.04										.06	.50					.60	.20		1.46
Saluda	....do																							.26						.67	.25		1.18
Santuck	Broad										.06	.03												.17					T.	.40	.02		0.68
Spartanburg ‖‖	....do										.07			T.		T.								T.	.55					.42	.13		1.17
Trenton	Edisto										T.	T.	T.											.36					T.	1.00	.31		1.67
Walhalla	Savannah										.08		.45	.03	.05									.90					.30	.57			2.38
White Oak	Broad																							.18						.34	.03		0.55
Winthrop College	Catawba																							.30						.20			0.50

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR NOVEMBER.

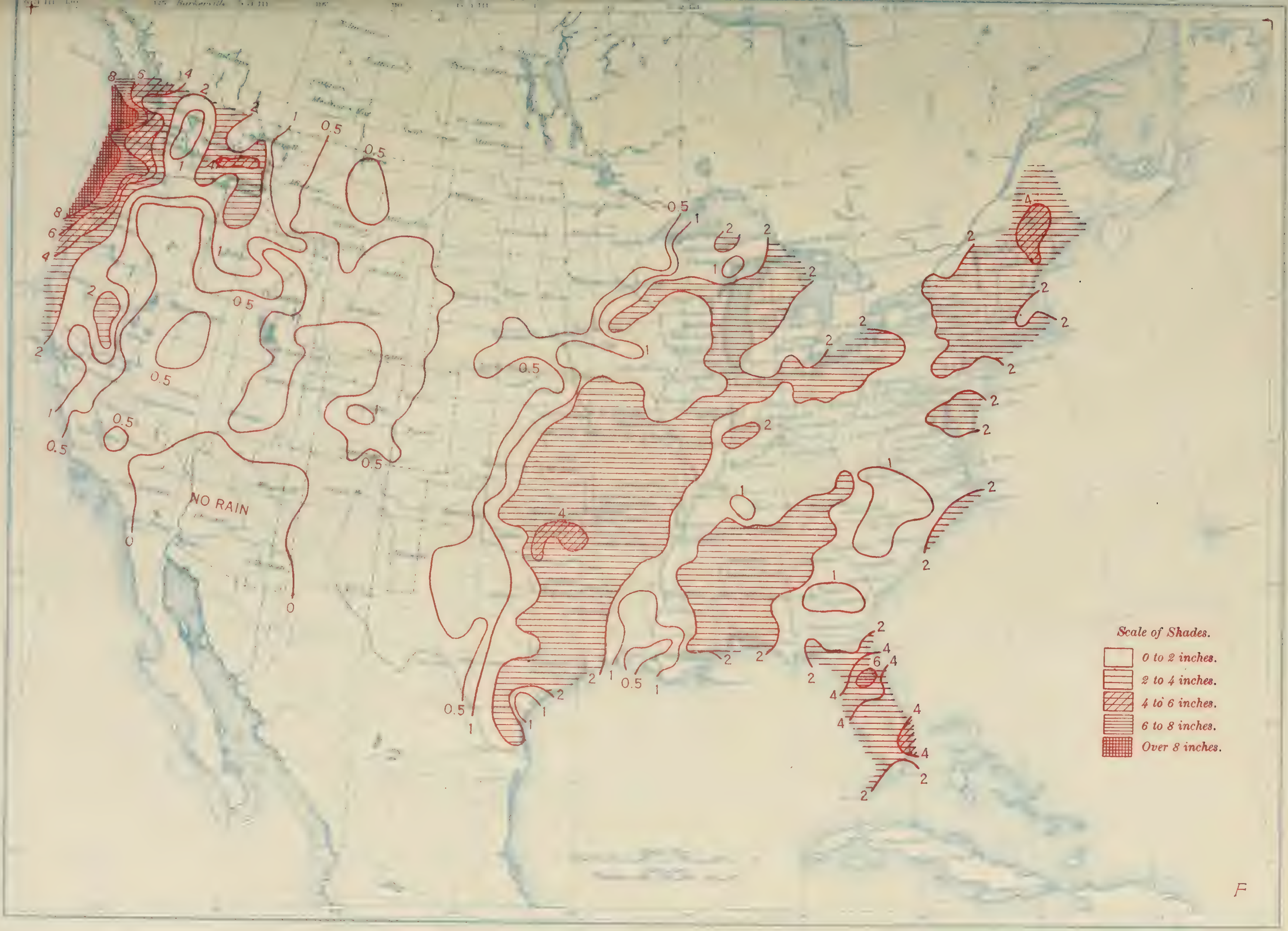
Year.	Temperature. Mean.	Temperature. Highest.	Temperature. Lowest.	Precipitation. Average.	Precipitation. Average days with 0.01 inch or more.	Average number of days. Clear.	Average number of days. Partly cloudy.	Average number of days. Cloudy.	Prevailing wind direction.
1887	52.3	78	18	0.82	4				nw.
1888	52.7	82	22	2.77	8				
1889	54.8	84	18	3.84	6				w.
1890	58.4			0.64					
1891	51.9	82	15	2.48					ne.
1892	53.9	85	14	1.96					sw.
1893	52.9	87	15	2.11	5	14	8	8	ne.
1894	52.3	83	17	2.02	4	18	7	5	nw.
1895	54.4	88	21	2.35	6	12	8	10	ne.
1896	59.1	90	26	4.00	7	12	8	10	ne.
1897	55.3	88	23	1.99	5	16	7	7	sw.
1898	51.0	82	14	4.72	10	14	6	10	ne.
1899	55.0	86	22	2.41	5	16	6	8	ne.
1900	55.6	92	22	3.32	6	13	8	9	sw.
1901	48.2	85	17	1.01	5	21	4	5	n.
1902	59.2	89	22	3.80	6	13	7	10	ne.
1903	50.9	86	10	1.40	5	14	8	8	n.
1904	51.6	80	22	2.78	6	17	6	7	w.
1905	54.5	90	21	1.31	3	17	6	7	sw
1906	53.8	89	20	0.96	3	18	8	4	ne.
1907	52.2	87	24	4.13	10	12	7	11	ne.
1908	56.6	88	24	1.60	3	16	10	4	sw
1909	58.3	88	20	0.97	3	18	9	3	sw.
1910	51.1	85	24	1.04	4	20	6	4	w
1911	51.2	83	19	3.30	8	13	10	7	ne.
1912	52.1	84	17	2.71	4	22	4	4	w
1913	53.5	89	18	1.79	2	21	5	4	w.
1914	52.4	86	17	3.33	6	19	4	7	w
1915	56.3	88	24	2.36	4	22	4	4	w
1916	54.5	88	17	1.21	4	18	5	7	ne.
Period.	53.9	92	10	2.30	5	16	7	7	w

Daily Temperatures for November, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	76	73	73	72	78	68	76	74	80	83	73	79	78	81	57	55	61	61	66	71	71	64	68	62	52	56	67	65	68	70	...	69.3
	Minimum	55	56	40	41	39	42	46	48	50	48	64	61	58	63	52	28	26	31	33	36	34	45	51	43	28	24	28	45	54	48	...	43.9
Beaufort	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Blackville §	Maximum	80	78	85	83	87	84	88	82	81	83	77	78	83	81	52	53	68	70	73	75	74	75	72	69	65	59	68	68	67	62	...	74.0
	Minimum	43	41	39	36	35	39	40	41	50	62	61	56	60	60	44	23	24	27	29	31	39	44	44	45	31	23	29	41	54	42	...	41.4
Bowman	Maximum	76	74	73	74	80	75	70	75	78	80	75	80	81	80	75	60	58	62	65	70	70	69	68	66	53	55	67	68	65	66	...	70.3
	Minimum	56	37	32	35	38	45	42	46	48	56	55	58	60	61	45	25	21	28	25	25	32	40	60	45	25	20	24	40	45	36	...	40.2
Centenary	Maximum	73	76	70	72	79	66	66	76	80	84	69	80	81	82	71	47	61	61	64	71	70	65	70	66	54	55	68	72	70	66	...	69.5
	Minimum	54	45	54	48	55	50	45	54	56	63	59	58	63	67	44	30	30	30	32	31	34	43	53	47	30	24	26	37	58	53	...	45.8
Charleston	Maximum	77	71	72	68	74	66	68	70	78	79	73	74	74	77	68	45	57	64	61	69	66	67	69	64	51	53	62	67	66	61	...	67.0
	Minimum	59	53	53	54	53	57	51	55	60	65	64	63	63	64	42	32	38	42	40	43	47	55	57	48	40	39	44	52	58	50	...	51.4
Cheraw §§	Maximum	74	74	68	70	81	62	62	72	76	78	74	70	74	74	41	44	56	58	60	70	70	62	64	58	51	53	62	62	67	56	...	64.8
	Minimum	52	40	42	38	42	50	42	44	54	64	56	55	52	60	41	25	24	32	32	32	39	46	53	42	30	27	30	38	54	50	...	42.9
Conway §§	Maximum	68	72	71	78	77	68	69	66	78	68	66	65	70	69	50	46	59	63	63	70	72	63	61	64	53	55	65	72	68	58	...	65.6
	Minimum	53	43	40	38	38	49	45	47	49	64	63	58	59	63	49	28	26	31	32	31	34	42	47	45	29	24	28	39	54	54	...	43.4
Darlington §§	Maximum	75	71	73	74	82	66	68	78	80	82	71	76	80	81	44	48	59	62	65	73	73	67	69	65	55	57	68	61	70	60	...	68.4
	Minimum	50	40	38	34	39	48	40	44	49	59	58	55	51	55	44	25	24	31	30	29	34	40	41	42	29	24	23	33	44	48	...	40.0
Dillon	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ferguson §§	Maximum	73	72	71	75	78	67	67	72	78	81	78	76	78	83	49	46	59	65	68	71	67	68	70	64	55	55	67	67	69	55	...	68.1
	Minimum	51	...	...	...	...	51	50	53	52	54	60	62	59	61	49	32	29	29	33	35	40	45	49	49	29	29	30	32	50	50	...	d 44.7
Florence 1 §§	Maximum	70	66	74	75	76	67	69	79	82	87	73	76	80	83	43	48	59	62	65	73	76	80	64	60	59	56	60	68	64	59	...	68.4
	Minimum	52	43	42	37	40	49	42	42	49	53	59	55	53	53	43	27	27	30	32	31	33	40	42	42	32	25	28	36	40	50	...	40.9
Georgetown	Maximum	80	72	75	72	78	69	72	71	82	83	75	82	80	79	53	49	60	66	67	72	73	69	70	68	56	57	68	71	70	60	...	70.0
	Minimum	54	45	42	43	41	50	45	47	57	65	62	65	61	61	43	28	26	33	35	35	41	50	46	46	32	25	31	42	53	51	...	45.2
Kingstree §§	Maximum	72	69	70	72	77	66	63	73	80	82	72	70	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	51	45	39	38	40	50	44	45	55	63	63	50	56	58	52	28	25	31	33	30	34	43	43	31	24	27	27	31	43	52	...	41.7
Mayesville (near)	Maximum	74	73	71	71	79	65	66	74	78	81	72	73	78	82	72	46	60	60	64	70	71	65	69	64	59	54	61	66	69	64	...	68.4
	Minimum	51	40	39	35	38	19	45	44	51	62	59	66	53	62	43	27	25	31	31	30	34	43	53	45	27	24	24	60	54	47	...	43.1
Oaks	Maximum	76	74	73	75	79	69	70	76	...	83	83	75	84	83	81	74	48	60	63	65	70	72	65	70	65	55	56	66	70	71	...	a 70.7
	Minimum	50	42	38	36	36	47	43	47	...	54	59	59	59	59	63	43	29	23	30	31	30	34	43	50	44	31	34	28	38	56	...	a 44.2
Orangeburg	Maximum	74	72	71	71	80	67	67	71	80	82	68	72	77	81	53	47	61	60	63	72	69	62	65	62	52	55	66	64	70	56	...	67.0
	Minimum	51	40	38	36	35	39	45	45	49	50	62	58	57	57	53	28	25	25	29	31	31	35	48	42	30	23	27	32	43	43	...	40.2
St. George §§	Maximum	76	74	73	75	81	69	70	74	81	85	76	79	80	80	58	48	62	65	66	74	71	69	69	65	54	58	69	65	69	55	...	69.7
	Minimum	52	45	42	41	41	50	45	47	53	61	61	57	55	61	58	29	28	33	31	32	38	50	57	47	32	28	32	43	54	51	...	45.1
St. Matthews §§	Maximum	74	72	67	73	81	67	66	73	80	83	67	69	80	82	47	40	61	63	66	72	69	61	66	65	54	53	65	66	67	63	...	67.3
	Minimum	52	42	39	30	41	50	43	45	49	55	61	56	54	57	46	26	26	31	33	34	38	43	46	40	27	24	26	36	44	35	...	41.2
Society Hill §§	Maximum	73	73	71	72	82	75	65	73	79	82	69	72	77	79	44	45	57	60	62	70	69	63	67	64	53	52	62	64	68	58	...	66.7
	Minimum	50	41	39	34	40	47	41	43	49	59	57	55	52	58	43	26	25	31	30	28	33	38	40	41	30	25	23	30	39	49	...	39.9
Summerville	Maximum	75	77	71	70	74	66	67	70	78	80	77	78	78	78	69	47	58	64	63	68	70	69	70	66	54	55	66	70	69	75	...	68.8
	Minimum	54	44	43	43	40	49	45	49	53	60	63	60	58	60	45	29	26	34	32	34	40	49	54	45	30	27	34	45	56	44	...	44.8
Walterboro	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yemassee §§	Maximum	79	75	75	75	78	71	72	75	79	83	79	77	81	78	55	50	51	64	65	71	70	69	69	64	55	54	69	70	70	58	...	69.4
	Minimum	52	41	37	38	37	41	44	46	47	53	60	58	58	60	52	26	23	32	29	31	38	52	56	44	28	22	32	36	44	52	...	42.4
Western Portion.																																	
Aiken	Maximum	74	72	72	71	79	76	65	74	80	79	76	72	77	81	73	49	61	62	64	71	70	68	68	66	55	55	64	64	65	63	...	68.9
	Minimum	55	51	47	45	46	52	43	47	54	53	60	57	56	53	44	25	30	37	29	36	40	46	53	41	30	32	35	46	53	46	...	44.7
Anderson	Maximum	76	78	72	76	88	73	74	74	84	81	71	69	79	78	62	52	64	69	66	77	69	57	69	63	50	59	62	57	63	69	...	69.6
	Minimum	49	41	43	39	44	48	41	43	55	53	49	53	53	53	35	23	29	33	28	31	37	42	44	35	25	27	28	44	45	38	...	40.3
Batesburg §§	Maximum	72	71	72	74	80	67	65	74	79	77	70	70	75	77	52	48	59	64	63	71	69	62	50	42	40	54	63	62	65	58	...	64.8
	Minimum	56	45	41	38	42	52	41	45	49	55	56	54	56	58	51	24	26	29	30	38	40	43	44	42	30	28	32	35	44	44	...	42.3
Camden §§	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	53	41	47	...	47	49	42	43	50	51	58	...	57	58	43	23	26	30	41	28	34	34	34	48	29	29	26	27	49	47	...	b 40.9
Clemson College	Maximum	69	69	66	68	72	70	63	64	72	72	71	67	68	73	65	60	58	60	57	64	64	55	69	61	56	49	53	54	57	60	...	63.5
	Minimum	49	38	49	36	40	49	49	40	56	61	59	58	60	57	46	24	25	32	27	28	31	45	49	45	25	24	25	44	50	43	...	42.1
Columbia	Maximum	72	71	70	69	78	65	64	71	80	77	66	67	73	77	66	46	59	60	62	72	70	59	68	60	50	52	62	63	63	57	...	65.6
	Minimum	54	44	43	40	44	51	44	19	54	65	59	57	55	65	36	28	32	40	38	37	46	46	53	41	30	28	30	43	55	43	...	44.7
Greenville §§	Maximum	75	74	73	75	84	66	62	70	77	77	72	57	73	73	53	50	62	64	63	73	69	51	65	64	53	57	59	54	55	63	...	65.4
	Minimum	47	36	39	32	34	41	40	41	47	54	46	54	55	55	40	23	23	25	25	27	30	35	43	35	27	20	21	25	36	36	...	36.4
Greenwood §§	Maximum	72	71	71	70	79	65	64	69	78	74	66	67	74	72	50	47	60	61	62	71	69	60	66	59	52	53	60	55	60	59	...	64.5
	Minimum	53	42	42	38	39	41	41	40	46	56	56	52	55	56	46	22	23	29	31	33	37	39	44	41	26	24	26	29	44	42	...	39.8
Heath Spring	Maximum	74	72	70	72	72	79	77	74	75	76	76	75	74	73	74	70	71	70	70	71	65	60	67	56	58	51	57	61	61	57	...	68.3
	Minimum	44	42	47	42	42	47	39	41	55	62	62	53	62	53	55	20	21	30	30	30	40	42	42	37	26	27	29	38	38	45	...	41.1
Kershaw §§	Maximum	74	74	72	71	82	63	65	72	80	76	69	67	74	75	44	46	58	59	64	75	69	63	71	65	50	53	61	62	63	57	...	65.8
	Minimum	55	42	43	37	42	48	40	41	48	55	55	56	52	55	41	22	24	27	30	32	38	43	43	40	26	25	25	26	39	45	...	39.8
Landrum	Maximum	72	72	71	72	79	67	57	67	75	77	70	61	67	65	55	47	59	56	62	71	66	58	64	59	50	52	56	52	54	58	...	63.0
	Minimum	52	37	44	32	42	50	48	47	53	67	45	53	55	55	35	24	22	31	37	41	45	41	45	41	30	24	20	36	45	42	...	41.3
Liberty	Maximum	72	73	70	71	80	70	60	66	75	75	69	65	69	71	65	47	60	61	60	69	65	57	64	57	50	52	55	55	60	58	...	64.0
	Minimum	43	36	40	33	41	49	43	40	56	63	43	55	54	59	37	21	26	29	26	28	31	44	48	42	22	22	22	44	43	42	...	39.4
Little Mountain	Maximum	71	72	70	70	79	70	64	72	77	77	70	69	75	75	60	47	60	60	65	72	69	60	68	63	50	54	61	60	62	56	...	65.9
	Minimum	55	45	44	40	50	41	40	41	57	56	56	56	56	56	41	24	30	38	40	44	42	42	50	42	28	27	31	41	50	43	...	43.8
Meriwether	Maximum	79	78	75	75	81	69	...	...	83	78	80	78	78	78	71	57	64	65	66	70	72	58	70	65	59	58	65	69	69	61	...	b 70.4
	Minimum	53	38	36	34	36	46	40	...	...	54	48	48	55	60	44	23	26	30	30	24	36	46	46	42	26	21	27	45	48	47	...	b 39.6
Monetta	Maximum	73	72	72	73	82	74	65	75	79	76	72	72	76	78	71	49	60	61	64	73	69	62	68	65	55	54	63	63	60	62	...	68.1
	Minimum	56	49	45	42	47	51	43	45	53	64	57	57	56	62	43	26	28	37	35	36	43	45	50	43	32	29	33	43	52	43	...	44.8
Mountain Rest	Maximum	71	72	70	71	81	77	63	75	...	...	67	66	68	70	59	48	63	63	67	75	66	55	61	56	55	52	54	58	63	66	...	b 64.7
	Minimum	38	35	42	34	41	48	37	46	...	...	42	53	54	53	33	19	22	33	35	32	40	36	46	41	20	23	31	43	47	27	...	b 37.5
Newberry	Maximum	74	72	72	73	81	67	65	72	80	78	69	72	75	76	67	48	62	61	63	72	69	57	68	64	51	55	61	58	64	58	...	66.8
	Minimum	51	37	37	34	40	47	40	42	53	61	51	57	51	56	42	21	26	32	30	27	31	43	43	42	29	21	23	38	50	41	...	39.9
Saluda	Maximum	75	74	74	74	82	68	67	75	80	77	70	71	77	78	70	50	51	63	65	72	71	61	68	65	53	55	64	60	66	60	...	67.9
	Minimum	47	32	32	34	33	42	46	45	49	62	50	56	50	58	43	31	32	22	24	26	28	36	44	40	18	17	20	34	49	38	...	37.9
Santuck	Maximum	72	72	71	72	81	69	63	70	79	78	69	66	77	74	68	45	60	58	61	70	69	57	67	59	50	54	60	56	60	59	...	65.5
	Minimum	51	37	37	34	41	48	39	41	54	63	49	57	52	57	41	20	25	32	28	27	32	42	47	37	26	23	22	39	49	41	...	39.7
Spartanburg §§	Maximum	72	71	71	80	75	63	60	69	78	77	70	60	73	70	50	46	60	59	61	71	68	50	63	54	50	54	58	54	54	61	...	63.4
	Minimum	49	37	38	30	37	38	40	40	42	59	48	55	55	56	39	20	22	23	27	29	37	42	43	39	30	23	23	24	42	45	...	37.7
Trenton	Maximum	73	74	72	74	...	77	66	75	...	78	76	71	76	76	70	49	59	59	64	69	71	59	66	62	61	56	64	64	64	57	...	b 67.2
	Minimum	55	45	49	45	...	48	41	43	...	54	57	57	56	62	43	24	31	39	31	37	42	44	50	39	28	29	33	45	43	49	...	b 43.5
White Oak	Maximum	73	74	72	73	81	77	65	72	78	78	73	71	74	72	68	43	60	61	62	72	69	61	68	65	56	52	61	61	61	58	...	67.0
	Minimum	55	45	43	40	47	48	40	43	54	63	61	55	55	60	40	23	23	24	34	32	42	44	50	40	28	27	28	39	51	42	...	42.5
Winthrop College	Maximum	68	63	62	65	74	71	60	65	72	72	70	65	70	70	64	43	52	53	53	64	61	60	63	62	50	54	58	55	58	55	...	61.7
	Minimum	52	36	42	45	46	47	40	40	56	56	52	55	53	57	38	22	27	34	38	59	39	42	47	38	24	26	25	34	46	45	...	42.0

Reference letters (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
F

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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

SOUTH CAROLINA SECTION

DECEMBER, 1916

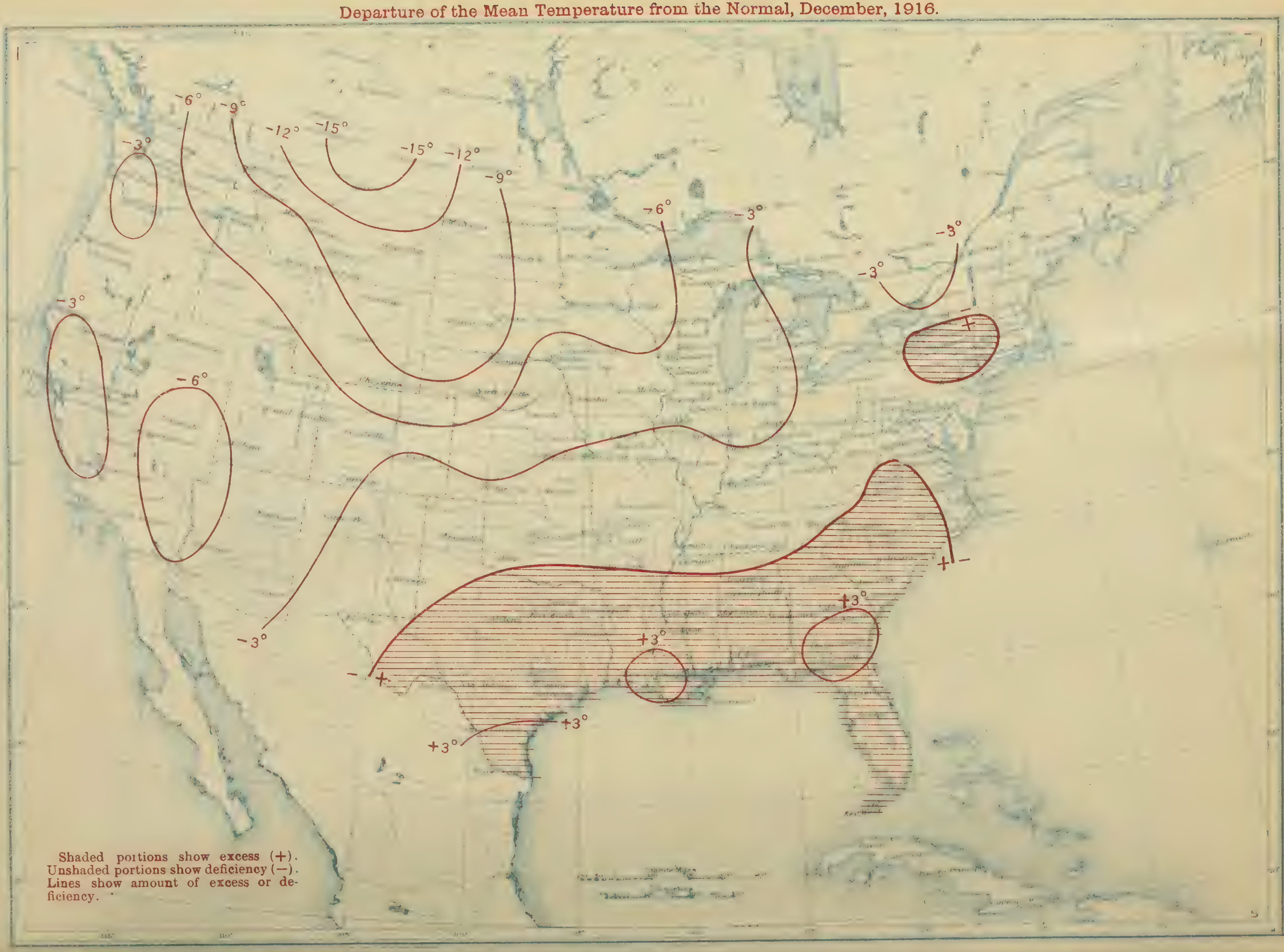
BY

RICHARD H. SULLIVAN

METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
January 25, 1917.

Departure of the Mean Temperature from the Normal, December, 1916.


-6°
-9°
-12°
-15°
-15°
-12°
-9°
-3°
-3°
-6°
-6°
-3°
-3°
-3°
+
-
+3°
+3°
+3°
+3°
+
-
+
-
-3°
Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

Vol. XIX. Columbia, S. C., December, 1916. No. 12.

GENERAL SUMMARY.

Precipitation during December was comparatively light, but was well distributed as to area and time. Thermal conditions were near the seasonal average, the cold period of the middle decade being slightly overcome by the relatively warm weather of the first and third decades. The freezing temperatures of the middle portion of the month retarded the development of oats, and a small percentage of the late planted crop was killed at germination; otherwise, the grain and other winter crops were in good condition. Cotton picking was about finished at the close of the month. Winter plowing continued slowly, being retarded in many localities by frequent periods of rain. Measurable snowfall was confined to the extreme northwestern counties.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.09 inches. The highest pressure in the region covered by reports was 30.52 inches at Asheville, N. C., on the 31st, and in the Section proper, 30.50 inches at Columbia on the same date; lowest pressure, 29.43 inches at Wilmington, N. C., on the 12th, and in the Section proper, 29.48 inches at Columbia on the 18th.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 44 stations, was 46.7°, or 0.3° above the established normal. The highest temperature was 79° at Blackville, Barnwell Co., on the 7th, and at St. George, Dorchester, Co., on the 8th. The warmest period was between the 6th and 9th. The lowest temperature was 11° above zero at Mountain Rest, Oconee Co., on the 19th. The coldest periods were on the 14th and 15th in the western portion and throughout the Section between the 18th and 20th.

HUMIDITY.

The mean relative humidity, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 78%; 8 p. m., 66%. The highest percentages occurred over the northeastern coast counties and the middle Savannah watershed, and the lowest, over the central counties along the lower Piedmont.

PRECIPITATION.

The average for the Section, 57 stations reporting, was 2.43 inches, or 0.96 inch below the established normal. Short alternating wet and dry periods marked the weather of the month after the 4th, and while the amounts were generally light, the rains were well distributed throughout the entire territory. Precipitation was above normal only in the extreme northwestern counties and in isolated sections of Saluda and Lexington counties; elsewhere the amounts were less than 3 inches, ranging downward to less than 1 inch in southern Darlington County. The greatest local monthly amount was 4.76 inches at Mountain Rest, Oconee Co.; least amount, 0.84 inch at Darlington, Darlington Co. The greatest amount during any 24 hours was 1.59 inches at Florence No. 1, Florence Co., on the 11th. The average number of days with measurable precipitation was 11% above the normal.

Snowfall, ranging in depth from 0.8 inch to 5.5 inches, was confined to Oconee, Pickens, Greenville, and Spartanburg counties and was measured principally on the 17th and 18th.

WIND.

The prevailing winds were from the west. The average hourly velocity, determined from 7 anemometer records, was 9.1 miles. The highest average in the region covered by reports was 12.6 miles per hour at Savannah, Ga.; lowest average, 5.5 miles per hour at Augusta, Ga. The average hourly velocities in the Section proper were 10.4 miles at Charleston and 7.3 miles at Columbia. The highest velocity for any 5-minute period was 44 miles per hour from the south at Charleston on the 21st and from the northwest at Savannah, Ga., on the 15th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 187.1 hours, or 61% of the possible amount. The average number of clear days was 16; partly cloudy, 6, and cloudy, 9, as against normals of 14, 7, and 10 days, respectively.

RIVER CONDITIONS.

The rivers of the Section continued relatively low throughout the month incident to the comparatively light and widely scattered rainfall.

MISCELLANEOUS PHENOMENA.

Fog, Dense (*dates*).—Beaufort, 27, 28; Blairs, 21; Catawba, 27, 28; Charleston, 21, 28; Clemson College, 28; Darlington, 22; Gaston Shoals, 28; Georgetown, 9; Landrum, 21, 22; Liberty, 21, 27, 28, 29; Mayesville (near), 21; Mountain Rest, 21, 26, 27, 28; Society Hill, 19, 23; Rimini, 21, 27; Spartanburg, 23; Winthrop College, 15.

Hail (*dates*).—Columbia, 18; Darlington, 19; Heath Spring, 15; Monetta, 18; Newberry, 18.

Halos (*dates*).—*Lunar:* Charleston, 4, 7, 8; Columbia, 4, 7, 8; Mayesville (near), 3, 8; Walhalla, 29. *Solar:* Santuck, 8.

Sleet (*dates*) —Anderson, 18; Bowman, 26; Catawba, 18; Clemson College, 18; Greenville, 18; Landrum, 15; Liberty, 18; Mountain Rest, 15; Santuck, 15; Spartanburg, 18; Walhalla, 15.

Thunderstorms (*dates*).—Calhoun Falls, 18; Centenary, 11, 18; Cheraw, 18; Columbia, 18; Darlington, 19; Mayesville (near), 18; Monetta, 18; Mountain Rest, 18; Newberry, 18, 22; Saluda, 18; Santuck, 18; Society Hill, 18; White Oak, 18.

ERRATA.

Spartanburg.—Precipitation for August 26, .05 (page 63), should be omitted.

MISCELLANEOUS DATA FOR DECEMBER, 1916.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.10	38.8	66	11	1.57	0.44	10.0	nw.	77	60	54
Augusta, Ga.......	30.10	48.5	74	26	2.12	0.80	5.5	nw.	87	76	59
Charleston, S. C...	30.09	53.0	73	30	1.47	0.64	10.4	ne.	80	76	67
Charlotte, N. C ...	30.08	43.3	69	18	2.32	0.89	10.5	sw.	75	62	60
Columbia, S. C....	30.09	47.4	73	26	1.40	0.45	7.3	e.	67	50	60
Savannah, Ga.....	30.10	54.4	78	28	2.06	0.64	12.6	sw.	79	70	59
Wilmington, N. C.	30.09	49.4	76	27	1.19	0.69	7.7	w.	78	71	65
Means and extremes	30.09	47.8	78	11	1.73	0.89	9.1	sw.-nw.	78	66	61

Climatological Data for December, 1916.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	27	49.2	+2.1	78	9	24	20	35	2.11	−0.65	1.15	0.0	7	9	20	2	e.	R. B. Vance.
Beaufort	Beaufort	21	29	51.5	−0.3	74	8	28	†18	38	1.86	−0.96	0.60	0.0	5	...	...	...	ne.	Miss Lillian H. Rice.
Blackville	Barnwell	296	27	47.8	+0.5	79	7	23	19	44	2.60	−0.88	1.00	0.0	9	19	7	5	...	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	15	51.2	+3.8	78	8	20	20	44	1.21	−2.31	0.39	0.0	5	18	7	6	w.	B. O. Evans.
Centenary	Marion	43	1	48.4	...	76	8	23	20	46	2.51	...	1.18	0.0	7	15	4	12	nw.	D. L. Carmichael.
Charleston	Charleston	48	45	53.0	+1.7	73	5	30	19	28	1.47	−1.68	0.64	0.0	12	16	4	11	ne.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	26	45.0	+0.9	73	8	20	19	33	1.99	−1.28	0.72	0.0	13	...	...	...	...	J. H. Powe.
Conway	Horry	25	30	^{a}48.1	+0.2	^{a}74	8	^{a}23	20	^{a}39	1.58	−1.62	0.68	0.0	6	...	...	...	...	Paul Quattlebaum.
Darlington	Darlington	175	21	^{a}45.2	0.0	^{a}75	8	^{a}21	20	^{a}46	0.84	−1.95	0.47	0.0	10	19	1	11	...	D. C. McCall.
Dillon	Dillon	100	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	A. E. Rowell.
Edisto ‡‡	Bamberg	143	28	...	...	...	...	...	...	...	2.83	−0.63	1.35	0.0	9	...	...	...	...	Nathan Jenkins.
Effingham	Florence	106	23	...	...	...	...	...	...	...	2.54	−0.76	0.54	0.0	8	...	...	...	...	H. B. McCall.
Ferguson	Orangeburg	63	30	46.2	−2.0	78	9	27	†23	44	1.62	−1.41	0.97	0.0	6	...	...	...	...	Joseph P. Simons.
Florence 1	Florence	136	27	45.2	+0.3	72	† 8	24	20	41	2.63	−0.15	1.59	0.0	8	16	3	12	sw.	H. K. Gilbert.
Florence 2	do	136	1	...	...	...	...	...	...	...	2.35	−0.43	1.50	0.0	7	13	12	6	nw.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	21	50.5	+1.5	76	5	24	20	40	1.92	−1.63	0.55	0.0	7	18	11	2	n.	A. P. Hazard.
Kingstree	Williamsburg	54	27	^{1}45.7	−2.0	^{1}76	28	23	20	^{1}39	2.24	−0.88	0.84	0.0	8	17	2	12	nw	A. O. Matthews.
Mayesville (near)	Sumter	70	1	48.0	...	76	8	21	20	47	2.41	...	1.45	0.0	11	17	1	13	w.	Lewis E. Warren.
Oaks ††	Georgetown	...	1	^{c}49.2	...	^{c}75	28	^{c}23	19	^{c}42	1.87	...	0.73	0.0	10	15	6	10	n.	O. M. Mitchell.
Orangeburg	Orangeburg	264	...	46.8	...	78	8	23	20	45	2.53	...	1.30	0.0	6	14	0	17	n.	U. S. Fisheries Station.
Pinopolis **	Berkeley	54	66	47.6	+0.2	70	28	29	†20	...	2.94	−0.02	0.89	0.0	6	18	0	13	...	Miss E. P. Ravenel.
Rimini	Clarendon	97	2	...	...	...	...	...	...	...	2.28	...	1.36	0.0	10	...	...	...	...	William B. Wolfe.
St. George	Dorchester	109	27	51.6	+3.9	79	8	28	20	37	1.96	−1.14	0.75	0.0	13	17	3	11	nw.	R. S. Weeks.
St. Matthews	Calhoun	62	20	46.5	+0.2	77	8	22	20	37	2.40	−0.87	1.08	0.0	9	17	8	6	s.	J. S. Wannamaker.
Society Hill	Darlington	192	24	44.8	−0.2	74	9	21	20	46	1.85	−1.41	0.75	0.0	12	16	7	8	n.	A. H. Rogers.
Summerville	Dorchester	75	18	51.4	+2.5	75	8	25	20	38	2.01	−1.54	0.81	0.0	12	6	23	2	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Whitehall (near)	do	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Special Rice Exp. Station
Yemassee	Hampton	24	20	51.2	+3.5	78	8	22	20	42	2.13	−1.08	0.73	0.0	11	16	2	13	sw.	J. G. Hutson.
Division means and	extremes	...	...	48.4	+1.0	79	† 7	20	19	47	2.10	−1.09	1.59	0.0	9	16	6	9	nw.	
Western Portion.																				
Aiken	Aiken	527	55	49.0	+1.3	76	8	22	19	34	2.24	−1.55	0.79	0.0	10	20	0	11	w.	W. M. Brown.
Anderson	Anderson	764	20	44.6	+0.6	76	5	17	19	39	3.04	−1.74	0.58	T.	11	17	0	14	w.	H. H. Russell.
Batesburg	Lexington	656	27	46.2	+0.5	74	7	23	19	33	4.19	+0.33	1.34	0.0	11	15	7	9	nw.	E. J. Hite.
Blairs	Fairfield	293	13	...	...	...	...	...	...	...	2.11	−1.89	0.55	0.0	12	...	...	...	...	J. N. Owens.
Calhoun Falls	Abbeville	508	23	...	...	...	...	...	...	...	2.86	−1.56	0.95	0.0	11	...	...	...	...	L. M. Parker.
Camden	Kershaw	222	56	...	...	...	...	...	...	...	1.89	−1.44	0.67	0.0	10	16	3	12	ne.	W. C. Brown.
Catawba	York	562	12	...	...	...	...	...	...	...	2.37	−1.93	0.72	0.0	11	...	...	...	...	James C. Faris.
Chappells	Newberry	402	12	...	...	...	...	...	...	...	2.56	−2.21	0.75	0.0	6	...	...	...	...	J. J. Murran.
Clemson College	Oconee	850	24	43.4	+0.8	71	5	20	20	40	4.08	−1.05	1.24	T.	9	16	6	9	s.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	29	47.4	+0.2	73	8	26	19	30	1.40	−1.50	0.45	0.0	13	16	4	11	w.	U S. Weather Bureau.
Edgefield	Edgefield	...	2	...	...	...	...	...	...	...	2.38	...	0.60	0.0	7	...	...	...	...	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	3	...	...	...	...	...	...	...	2.78	−1.90	0.75	2.2	12	...	...	...	...	Harry A. Parshall.
Greenville	Greenville	989	23	41.8	+0.6	73	5	13	19	39	3.23	−1.42	0.48	4.0	11	16	7	8	sw.	J. H. Woodside.
Greenwood	Greenwood	671	27	42.9	−0.4	70	8	20	†14	36	2.69	−1.79	0.69	0.0	10	20	0	11	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	15	45.3	+3.3	69	8	21	14	38	2.17	−2.09	0.78	0.0	7	11	13	7	sw.	J. Marvin Bowers.
Kershaw	Kershaw	500	...	43.4	...	73	8	21	†14	45	2.27	...	0.58	0.0	11	21	0	10	e.	John W. Hamel.
Landrum	Spartanburg	1063	1	42.2	...	69	5	16	14	40	3.24	...	0.52	5.5	12	15	6	10	...	R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	17	43.8	+1.0	71	5	17	†14	36	3.98	−2.23	1.15	2.0	8	15	6	10	e.	John T. Boggs.
Little Mountain	Newberry	711	23	46.7	+1.1	73	8	24	14	37	1.53	−1.76	0.50	0.0	9	17	2	12	s.	J. M. Sease, M. D.
Meriwether	McCormick	450	13	^{c}48.3	+2.1	^{c}76	8	^{b}23	†14	^{c}42	2.24	−1.68	0.92	0.0	5	...	...	...	...	William S. Middleton.
Monetta	Saluda	400	9	47.8	...	74	8	24	19	31	2.49	...	0.63	0.0	10	12	11	8	ne.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	...	42.8	...	72	† 5	11	19	39	4.76	...	1.20	2.3	12	15	4	12	...	J. H. Brown.
Newberry	Newberry	502	13	44.8	+0.2	75	8	22	†14	43	2.13	−2.79	0.55	0.0	12	11	10	10	e.	Warren G. Peterson.
Pelzer	Anderson	850	12	...	...	...	...	...	...	...	3.32	−2.14	0.70	0.0	12	...	...	...	...	Joshua Y. Jones.
Saluda	Saluda	536	15	45.6	−0.1	75	8	19	14	46	2.20	−1.81	0.60	0.0	10	17	4	10	sw.	Mrs. F. V. J. Maxwell
Santuck	Union	512	23	43.6	+0.4	74	8	20	†14	43	2.16	−2.12	0.73	0.0	12	15	7	9	w.	E. W. Jeter.
Spartanburg	Spartanburg	875	13	40.9	−0.9	70	5	18	19	36	2.90	−1.47	0.62	0.8	9	...	...	...	...	F. P. Robinson.
Trenton	Edgefield	620	27	^{d}46.6	−0.4	^{d}72	8	^{d}22	19	^{d}33	2.62	−1.37	0.90	0.0	6	16	8	7	w.	Mrs. S. E. Long.
Walhalla	Oconee	1061	13	...	...	...	...	...	...	...	4.53	+0.17	1.06	1.0	11	13	7	11	sw.	H. W. Brandt.
White Oak	Fairfield	548	...	45.6	+1.5	72	8	20	19	38	1.73	−1.86	0.54	0.0	11	19	2	10	sw.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	17	43.2	+0.1	68	8	17	19	43	1.50	−3.09	0.90	0.0	4	10	11	10	n.	W. P. Goodman.
Division means and	extremes	...	...	45.0	+0.8	76	† 5	11	19	46	2.69	−1.69	1.34	0.6	10	16	5	10	w.	
Section means and	extremes	...	...	46.7	+0.3	79	† 7	11	19	47	2.43	−0.96	1.59	0.3	9	16	6	9	w.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for December, 1916.

Stations.	Watersheds.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ‖‖	Savannah	.45				T.							1.15						.15			.05	T.					.05	T.	.18	.08		2.11
Beaufort	Coast									.60					.50	T.						.40					.35		.01				1.86
Blackville ‖‖	Edisto	.45											.25				.10		1.00				.18						.12	.10	.30		2.60
Bowman	do									T.		.28							.39			.18					.10	T.		.26			1.21
Centenary	Pee Dee					.03						.42	1.18			T.			.42		T.	.12					T.	T.	.03	.31			2.51
Charleston ***	Coast					T.						.50	.30			.01			.17		.06	.03	T.		.04	.03	.05	.04	.12	.12			1.47
Cheraw ‖‖	Pee Dee					.08				.02		.04	.72			.10	.05		T.	.38		.13	.30					.06	.03	.06	.02		1.99
Conway ‖‖	Waccamaw	T.					T.					.42	.68				T.			.10		T.						.08	.10	.20			1.58
Darlington ‖‖	Pee Dee					.07				T.		.03	.47			.04				.14		.07	.03					.02	T.	.02	.05		0.84
Dillon	Little Pee Dee																																
Edisto ‖‖	Edisto	.18					.24						1.35						.21	.33		.07						.12		.20	.13		2.83
Effingham ‖‖	Lynches											.38	1.16			.06				.32		.26	.05					T.		.19	.12		2.54
Ferguson ‖‖	Santee									.05		.10	.97							.37		.03	.10										1.62
Florence 1 ‖‖	Pee Dee					.12				.04		.04	1.59			.12				.12		.22								.38			2.63
Florence 2	do								T.		T.	.10	1.50				T.		.35			.18	.01					T.	.05	.16			2.35
Georgetown	Coast											.35	.55						.22		.25	.15			.15			T.		.25			1.92
Kingstree ‖‖	Black									.10		.15	.84							.16		.28							.11	.30	.30		2.24
Mayesville (near)	do					.20				.01		.06	1.45			.01					T.	.11	.04		.01			.08	.07	.37			2.41
Oaks	do											.23	.73			.02			.14		.19	.12		T.				.06	.02	.35	.01		1.87
Orangeburg	Edisto	.43				T.				T.			1.30						.20	.22		T.	T.					T.		.18	.20		2.53
Pinopolis	Cooper											.89						.50	.25	.25	.70									.35			2.94
Rimini ‖‖	Santee					.06						.03	1.33			T.			.16	.09		.16	.06					.10		.16	.13		2.28
St. George ‖‖	Edisto	.17				.01				.12			.75			.03			.21	.20		.13	.02					.07	.02	.08	.15		1.96
St. Matthews ‖‖	Santee					.08				.10			1.08						.19	.16		.10	.14						.15	.40			2.40
Society Hill ‖‖	do					.04				.03		.10	.75			.15			.03	.33		.18	.11					.04		.08	.01		1.85
Summerville	Ashley					.04			T.	.07		.18	.81			.06			.08		.07	.06	.03		T.			.14	.17	.30			2.01
Walterboro	Ashepoo																																
Whitehall (near)	Combahee																																
Yemassee ‖‖	do	.10					.06			.12			.73			T.	.10		.04	.29		.11	.16				T.	.19			.23		2.13
Western Portion.																																	
Aiken	Edisto					.09							.79			.21			.46		.05	.11					.06	.05	.13	.29			2.24
Anderson	Savannah					.37				.49			.58			.08			.55		.04	.16	.10				.08	.12	.47				3.04
Batesburg ‖‖	Edisto	.32				.29							.63			.20			.36	.98		.34	.42					.09		.24	.32		4.19
Blairs ‖‖	Broad	.04				.04				.02			.55			.12			.06	.45	.30	.03	.25					.07		.18			2.11
Calhoun Falls ‖‖	Savannah								.19				.46			.11	.04		.69	.26			.32					.12	.14	.24	.29		2.86
Camden ‖‖	Wateree									.05		.07	.67			.04	.06		.02	.56			.13					.12		.11	.06		1.89
Catawba ‖‖	Catawba					.10				.15		.09	72			.10			.03	.30		.05	.40					.07		.36			2.37
Chappells ‖‖	Saluda					.23							.63			T.			.60	.15			.45						T.	.50			2.56
Clemson College	Savannah					.31			T.	.64		.41				.15			.66		.03	.33					.31		1.24				4.08
Columbia ***	Congaree					.02			T.	.02		.07	.38		T.	.10			.34		.02	.11	.01		T.		.02	.03	.05	.23			1.40
Edgefield ‖‖	Savannah					.15								.20					.40	.48			.35						.20	.60			2.38
Gaston Shoals ‖‖	Broad	T.				.15				.34	.01	T.	.75			.02			.05	.60		.14	.26				T.	.15	.17	.14			2.78
Greenville ‖‖	Saluda					.22			T.	.35			.47			.03			.07	.20		.39	.48				T.	.31	.46	.25			3.23
Greenwood ‖‖	do					.09				.18			.61			.08			.34			.69	.11					.11	.04	.44			2.69
Heath Spring	Wateree					.10							.07	.70		.17						.78					.08		.27				2.17
Kershaw	Lynches					.13				.06		.08	.60			.07			.13	.58		.25	.17					.06		.14			2.27
Landrum	Broad					.04			.04	.52			.46		T.	.21			.25	.18	.12	.38	.36					.40	.28				3.24
Liberty	Savannah					.10			T.	1.10			.35						1.15		T.		.25				.10	.15	.78				3.98
Little Mountain	Saluda					.11			.02				.50			.08			.44			.17					.02	.07		.12			1.53
Meriwether	Savannah					.06				T.			.68			T.				T.	.92						T.		.19		.39		2.24
Monetta	Edisto					.05				.12			.63			.09			.57		T.	.17	.08					.03	.19	.56			2.49
Mountain Rest	Savannah				T.	.24			.14	.84		.02			T.	.23			.81		.07	.28	.41				.12	.40	1.20	T.			4.76
Newberry	Saluda					.07				.08		T.	.55			.07			.52		.03	.08	.37				.34	.06	.23	.03			2.13
Pelzer ‖‖	do					.24	.02			.70			.52			.04			.40	.30		.14	.30					.20	.24	.22			3.32
Saluda	do					.11			.15		.05	.60			.10				.55			.15	.10					.27		.12			2.20
Santuck	Broad					.09				.10		.02	.73			.15			.62		.04	.09	.08				.03	.07	.14				2.16
Spartanburg ‖‖	do					.34				.38		T.	.62						*	.48		.18	.40				.10	.15	.15				2.90
Trenton	Edisto					.06				T.			.73		.08				.60		T.	.25								.90			2.62
Walhalla	Savannah					.46			.16	.54			.34			.15			.56		.20	.20					.19	.67	1.06				4.53
White Oak	Broad					.06						.15	.54			.09			.47		.03	.13	.06				T.	.06	.12	.02			1.73
Winthrop College	Catawba												.90						.10				.10						.40				1.50

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR DECEMBER.

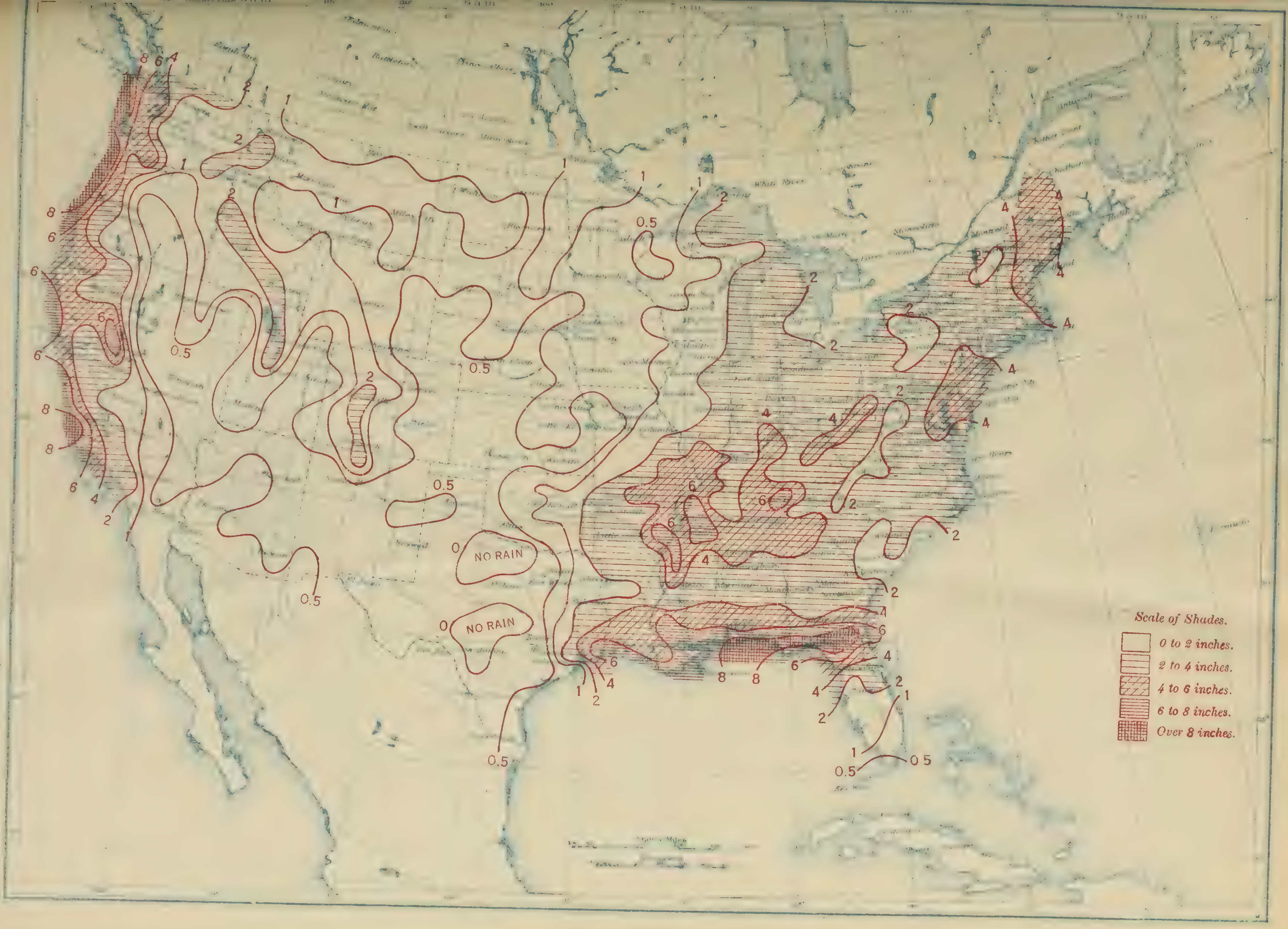
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	44.9	76	18	4.65	10				ne.-e
1888	42.7	71	13	3.56	7				
1889	55.4	79	17	0.53	1				sw.
1890	45.9			2.25					
1891	49,9			1.91					
1892	47.1	76	6	2.45					
1893	47.2	79	17	3.05	6	17	7	7	sw.
1894	48.1	85	− 1	2.56	7	15	8	8	nw.
1895	46.1	80	15	3.04	6	16	7	8	nw
1896	44.0	83	8	3.55	7	17	6	8	ne.
1897	47.6	82	21	2.40	8	11	8	12	ne.
1898	45.9	77	9	2.84	8	12	7	12	nw.
1899	44.6	79	11	2.33	7	15	8	8	nw.
1900	45.5	79	18	5.64	8	14	7	10	n.
1901	44.0	80	2	5.01	11	13	5	13	n.
1902	46.8	85	10	4.26	7	14	6	11	nw.
1903	41.0	72	10	1.95	6	20	5	6	w.
1904	45.5	78	16	2.79	9	14	5	12	w.
1905	45.2	77	16	7.25	10	12	4	15	ne.
1906	48.0	89	11	3.25	7	14	8	9	sw.
1907	46.2	75	12	5.81	10	14	7	10	w.
1908	50.6	83	23	2.84	7	13	9	9	w.
1909	42.8	84	7	2.81	7	17	7	7	nw.
1910	42.0	76	12	2.36	5	18	7	6	w.
1911	49.8	85	18	4.94	9	11	7	13	ne.
1912	48.8	79	18	2.88	8	12	5	14	sw.
1913	47.8	77	16	4.25	9	10	7	14	w.
1914	43.9	80	11	4.80	13	6	6	19	ne.
1915	44.2	79	17	3.27	7	18	5	8	w.
1916	46.7	79	11	2.43	9	16	6	9	w.
Period	46.4	89	− 1	3.39	8	14	7	10	w.

Daily Temperatures for December, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	59	70	67	70	73	71	72	70	78	56	61	48	55	49	52	49	59	64	42	49	52	59	63	65	62	52	64	70	55	56	56	60.3
	Minimum	32	36	32	36	39	51	38	52	46	33	49	41	30	30	35	29	32	38	26	24	32	38	32	31	51	49	46	47	54	38	37	38.2
Beaufort	Maximum	68	69	68	70	67	66	70	74	66	65	63	56	56	49	58	55	53	55	50	57	61	64	64	66	65	59	65	72	63	56	64	62.4
	Minimum	43	42	42	45	44	45	46	55	36	49	45	37	34	32	35	32	30	28	28	37	49	36	33	32	51	49	52	56	38	39	38	40.6
Blackville §	Maximum	63	70	71	73	71	75	79	70	69	71	60	52	55	56	48	60	60	59	60	61	64	60	62	63	64	63	64	67	69	55	56	63.5
	Minimum	29	30	33	35	39	34	35	40	29	25	30	38	26	27	28	26	34	26	23	24	38	39	24	26	30	33	42	43	35	34	39	82.1
Bowman	Maximum	67	68	72	72	74	75	77	78	75	58	62	60	55	58	59	60	61	65	62	61	64	65	66	65	65	60	65	70	72	70	56	65.7
	Minimum	27	28	32	40	45	33	34	45	50	32	35	30	26	24	30	31	40	48	30	20	25	30	32	45	48	42	55	60	61	34	30	36.8
Centenary	Maximum	62	65	70	71	72	67	71	76	73	61	49	53	55	48	44	48	60	54	44	48	58	66	56	62	62	59	69	75	65	55	49	60.2
	Minimum	31	32	31	34	51	58	30	51	....	32	42	38	28	25	37	21	29	30	27	23	45	44	24	36	45	40	46	56	46	35	32	[a] 36.6
Charleston	Maximum	55	65	64	68	73	65	65	72	68	56	64	66	55	55	60	48	59	60	44	60	62	63	55	68	60	58	72	69	60	55	50	61.1
	Minimum	43	43	44	47	57	52	48	58	50	39	54	38	34	34	36	31	38	40	30	36	58	42	37	49	53	50	57	57	49	43	42	44.8
Cheraw §§	Maximum	58	65	65	67	66	64	68	73	62	50	48	46	51	40	39	44	54	37	38	41	52	49	53	53	58	45	52	68	54	51	44	53.4
	Minimum	34	38	32	40	53	48	38	50	62	30	37	42	28	23	32	22	32	34	20	26	40	47	28	34	36	36	40	50	42	32	28	36.6
Conway §§	Maximum	64	57	68	71	72	66	68	74	71	64	65	51	54	61	61	45	57	57	42	58	66	58	55	....	62	67	69	66	50	55	49	[a] 60.8
	Minimum	34	34	31	33	37	51	29	38	47	32	40	46	30	27	29	27	31	31	27	23	31	50	25	33	....	41	43	51	47	33	31	[a] 35.4
Darlington §§	Maximum	60	60	69	70	68	69	....	75	71	56	52	50	54	47	41	47	59	43	43	46	64	54	57	60	62	47	62	72	53	57	49	[a] 57.2
	Minimum	29	30	29	31	40	46	27	....	54	29	36	40	[illegible]	23	30	25	29	28	25	21	27	45	22	33	41	39	40	45	44	30	29	[a] 33.2
Dillon	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ferguson §§	Maximum	59	64	69	71	72	67	76	76	78	56	59	57	55	52	48	54	58	58	43	50	55	53	58	61	63	52	50	48	51	55	50	58.6
	Minimum	29	31	32	32	35	40	32	34	41	32	34	40	37	28	29	32	34	40	28	29	29	35	27	27	34	43	45	40	33	35	32	33.8
Florence 1 §§	Maximum	62	67	71	70	70	65	71	72	72	54	49	53	54	46	40	46	59	48	42	47	54	55	43	53	64	54	60	63	55	48	51	56.6
	Minimum	33	32	32	34	38	49	30	31	50	30	33	41	31	25	27	26	27	33	26	24	26	46	25	27	38	39	39	41	46	33	30	33.6
Georgetown	Maximum	60	67	70	73	76	70	70	65	72	64	66	52	55	60	60	50	51	60	44	60	65	60	60	62	64	62	75	70	52	58	51	62.1
	Minimum	35	41	34	36	45	52	32	43	53	33	47	46	32	27	32	27	34	37	27	24	36	55	26	50	52	44	44	48	42	36	35	38.9
Kingstree §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	55	50	51	46	58	57	41	53	65	55	57	67	63	52	67	76	51	54	50	[1] 56.2
	Minimum	32	32	32	33	35	50	31	32	53	32	39	45	27	26	28	27	28	35	27	23	26	52	25	25	44	43	42	49	50	35	33	35.2
Mayesville (near)	Maximum	59	60	69	70	70	68	72	76	73	61	57	54	55	51	43	47	58	54	45	46	54	64	55	61	64	55	62	73	58	53	49	59.2
	Minimum	28	31	31	32	49	49	29	46	60	31	41	43	27	24	36	27	32	31	25	21	42	45	23	44	44	42	43	55	49	34	31	36.9
Oaks	Maximum	62	66	71	....	....	....	72	72	71	60	60	63	55	49	57	48	58	55	55	58	60	65	59	68	61	52	68	75	62	57	57	[c] 61.3
	Minimum	33	32	31	....	....	....	30	42	55	37	34	43	30	37	37	28	35	33	23	32	47	36	25	34	48	42	45	55	47	34	33	[c] 37.1
Orangeburg	Maximum	60	66	70	73	70	67	73	78	65	55	61	47	54	46	46	48	59	58	43	47	64	53	56	61	61	50	64	71	52	54	49	58.7
	Minimum	31	31	31	33	33	48	32	33	52	31	34	44	28	27	27	28	29	32	27	23	26	46	25	26	43	45	44	49	51	36	36	34.9
St. George §§	Maximum	60	67	71	73	73	68	74	79	68	59	62	50	51	51	51	50	60	59	45	53	65	55	60	56	62	53	66	71	56	58	53	60.6
	Minimum	37	35	34	37	57	54	37	57	61	35	49	47	32	32	41	30	37	43	29	28	49	53	30	42	52	49	47	53	55	39	38	42.8
St. Matthews §§	Maximum	64	65	69	71	69	65	72	77	68	54	61	49	54	45	46	48	59	55	44	46	63	54	55	60	62	48	64	70	47	52	52	58.3
	Minimum	30	30	32	34	37	48	32	41	61	29	41	40	30	25	28	26	29	35	24	22	25	41	24	30	44	42	43	45	42	34	32	34.7
Society Hill §§	Maximum	59	66	66	69	67	70	64	74	72	52	51	50	53	40	40	45	58	47	40	44	63	52	53	56	61	59	64	71	53	53	45	56.7
	Minimum	31	29	31	31	46	37	28	43	46	28	35	38	30	23	29	25	30	29	23	21	29	44	23	32	33	38	39	46	42	30	29	32.8
Summerville	Maximum	57	65	68	72	74	67	71	75	68	58	62	64	56	51	60	49	59	60	52	52	61	64	59	71	63	57	71	73	65	56	52	62.3
	Minimum	33	36	34	36	52	53	37	49	58	33	49	44	29	28	40	28	32	38	27	25	48	46	27	40	52	48	51	60	49	38	35	40.5
Walterboro	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Yemassee §§	Maximum	61	68	71	74	70	71	74	78	66	61	63	50	56	58	55	52	60	64	46	51	66	59	62	68	67	58	66	76	62	60	52	62.7
	Minimum	30	34	29	32	33	54	36	40	52	32	46	45	24	24	55	28	33	43	25	22	49	46	23	42	51	49	49	62	58	48	33	39.6
Western Portion																																	
Aiken	Maximum	60	67	68	70	70	69	71	76	72	54	63	58	54	52	45	47	59	56	46	42	53	62	55	60	64	59	58	66	63	54	52	59.5
	Minimum	32	36	40	44	55	49	43	53	53	30	43	35	28	27	32	26	33	40	22	28	41	35	33	39	48	42	41	56	44	36	34	38.6
Anderson	Maximum	61	72	66	71	76	68	59	65	65	53	61	54	50	42	48	48	57	51	43	39	49	54	56	56	68	51	52	63	64	59	54	57.3
	Minimum	31	31	32	39	52	42	36	50	32	26	37	29	26	19	27	21	30	28	17	21	32	29	24	32	35	33	35	48	35	31	29	31.9
Batesburg §§	Maximum	57	64	68	69	68	66	74	73	64	53	58	45	50	42	43	45	56	50	41	43	63	53	50	59	53	46	60	65	51	53	48	55.8
	Minimum	34	35	39	45	45	50	45	48	52	28	31	39	30	25	28	24	27	34	23	26	30	40	30	43	45	45	38	43	49	35	32	36.7
Camden §§	Maximum	53	66	66	68	64	60	....	68	68	52	53	44	53	45	38	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	75	....
	Minimum	30	28	29	32	33	....	....	50	50	34	34	43	30	31	37	26	25	26	22	22	23	36	....	....	42	....	....	....	49	....	35	....
Clemson College	Maximum	55	60	60	59	71	66	62	60	64	54	56	54	48	47	41	49	52	50	41	39	49	49	46	51	44	44	52	56	54	46	42	52.3
	Minimum	29	30	32	55	51	42	32	50	49	24	40	37	29	20	32	27	33	30	22	20	37	35	24	28	33	39	38	48	46	31	29	34.6
Columbia	Maximum	58	65	68	69	68	64	69	73	64	52	57	52	53	42	44	47	57	51	41	43	58	63	54	56	63	49	54	67	61	50	47	56.7
	Minimum	34	38	38	42	57	45	40	54	41	31	41	35	31	29	31	27	36	33	26	29	41	35	30	39	47	42	42	52	41	37	33	38.0
Greenville §§	Maximum	60	66	67	65	73	68	69	64	57	51	58	46	50	38	47	47	58	35	41	42	46	50	50	55	58	41	52	59	57	55	59	54.3
	Minimum	27	27	29	33	41	42	30	31	48	26	31	34	25	17	19	19	20	28	13	15	21	35	22	29	31	36	36	40	43	28	30	29.2
Greenwood §§	Maximum	56	62	65	67	68	64	67	70	56	50	58	43	50	41	43	46	55	40	39	40	57	47	53	53	59	43	59	63	53	51	47	53.7
	Minimum	32	32	34	35	42	46	35	34	50	27	28	35	29	20	20	24	25	33	22	21	24	34	27	27	37	39	36	38	48	30	30	32.1
Heath Spring	Maximum	64	65	65	67	66	64	66	69	61	60	50	46	49	47	41	40	54	48	47	49	48	58	49	56	56	57	58	62	60	58	52	55.9
	Minimum	38	37	36	38	42	42	38	48	59	29	35	32	28	21	30	24	32	35	27	22	25	37	26	33	35	34	37	37	42	37	40	34.7
Kershaw §§	Maximum	56	67	66	66	70	65	71	73	68	55	50	46	50	40	40	44	56	39	39	42	62	48	52	58	61	46	63	64	52	52	51	51.2
	Minimum	...	34	33	35	36	44	34	35	51	23	28	36	28	21	21	23	23	30	22	22	22	40	22	26	39	38	38	41	43	31	29	[a] 31.6
Landrum	Maximum	58	67	63	65	69	64	68	56	60	49	52	51	50	43	40	44	55	46	39	40	44	46	49	55	59	49	52	58	56	51	45	53.0
	Minimum	39	34	30	34	51	43	28	46	40	20	32	34	21	16	27	20	30	29	17	15	31	35	21	28	38	38	36	47	39	26	26	31.3
Liberty	Maximum	57	62	62	61	71	67	67	61	61	51	54	57	48	49	41	47	54	45	40	38	44	50	49	53	57	47	49	59	59	52	46	53.5
	Minimum	28	29	31	47	56	42	32	51	51	25	39	34	28	17	29	23	32	32	17	19	33	37	23	37	34	37	38	47	45	36	32	34.2
Little Mountain	Maximum	58	60	67	67	67	66	70	73	65	51	56	52	52	45	44	47	57	47	40	45	52	60	55	55	59	53	49	64	62	52	46	56.0
	Minimum	43	39	34	46	55	44	38	50	42	28	39	37	28	24	30	25	36	36	28	38	38	39	29	36	44	38	38	48	43	34	31	37.4
Meriwether	Maximum	65	69	69	72	72	71	70	76	....	60	64	56	55	49	49	50	59	54	54	53	63	60	58	56	65	66	66	65	63	....	....	[c] 61.8
	Minimum	31	34	30	34	55	45	34	....	47	26	42	35	28	23	32	26	35	23	23	40	35	40	24	38	45	38	38	39	39	29	....	[b] 34.8
Monetta	Maximum	59	67	66	69	69	65	71	74	69	52	62	55	52	48	44	47	57	51	42	42	51	62	57	60	63	56	59	65	62	52	49	58.0
	Minimum	35	36	38	44	56	49	42	51	52	30	42	36	28	25	30	25	35	34	24	26	39	36	29	37	46	40	40	52	43	37	33	37.7
Mountain Rest	Maximum	64	67	64	58	72	72	65	60	56	49	59	55	45	38	39	47	57	38	40	40	57	47	50	51	57	47	55	61	58	53	48	53.8
	Minimum	26	30	35	38	50	35	35	52	40	20	36	30	23	14	26	20	32	30	11	20	33	31	22	31	35	38	38	52	43	29	29	31.7
Newberry	Maximum	58	65	67	68	69	65	70	75	66	51	59	52	50	46	42	46	57	44	40	40	50	60	55	51	59	52	49	64	62	52	48	55.9
	Minimum	29	30	31	34	54	44	32	52	36	27	38	38	27	22	30	25	29	29	22	22	36	36	24	32	39	39	37	48	42	30	31	33.7
Saluda	Maximum	59	66	67	68	71	66	71	75	67	52	60	54	52	47	45	47	58	49	43	42	51	62	55	55	63	56	55	72	65	52	49	57.9
	Minimum	24	29	37	30	53	41	29	49	50	25	40	35	26	19	31	25	33	41	22	30	40	35	21	27	38	28	29	38	49	27	28	33.2
Santuck	Maximum	57	64	65	68	68	63	68	74	64	49	56	53	50	45	45	44	55	47	38	41	48	53	52	52	54	49	49	63	61	51	45	54.5
	Minimum	30	29	29	34	53	45	31	51	42	25	37	37	27	20	29	22	33	28	20	20	35	35	23	23	33	37	36	45	45	29	29	32.6
Spartanburg §§	Maximum	57	65	64	67	70	62	67	62	51	48	56	44	48	36	43	43	55	33	38	39	47	42	49	53	55	40	52	60	51	51	49	51.5
	Minimum	30	31	32	34	42	42	31	31	49	26	30	37	25	19	23	20	22	29	18	19	20	34	32	25	32	32	35	39	41	29	29	30.3
Trenton	Maximum	58	64	65	67	69	67	69	72	67	52	58	55	51	46	42	40	55	52	41	41	53	62	56	60	64	54	....	....	....	....	50	[d] 56.7
	Minimum	33	42	44	44	55	47	42	52	48	29	39	34	29	24	31	25	32	32	22	25	38	34	29	37	46	39	....	....	....	....	33	[d] 36.5
White Oak	Maximum	58	66	67	68	67	65	68	72	64	50	55	52	50	46	44	46	54	52	40	41	50	61	53	55	57	53	49	62	62	52	50	55.8
	Minimum	34	35	36	38	53	46	37	50	42	26	36	38	29	22	30	23	34	32	20	22	37	38	30	34	40	39	39	48	44	31	30	35.3
Winthrop College	Maximum	52	55	68	60	65	63	60	68	68	57	53	50	53	43	37	50	60	47	33	44	48	48	46	46	40	42	48	58	58	46	45	52.0
	Minimum	30	28	32	42	59	43	54	51	45	25	34	37	25	20	28	20	32	29	17	24	34	38	24	34	35	37	37	47	42	31	28	34.3

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
NO RAIN

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CLIMATOLOGICAL DATA

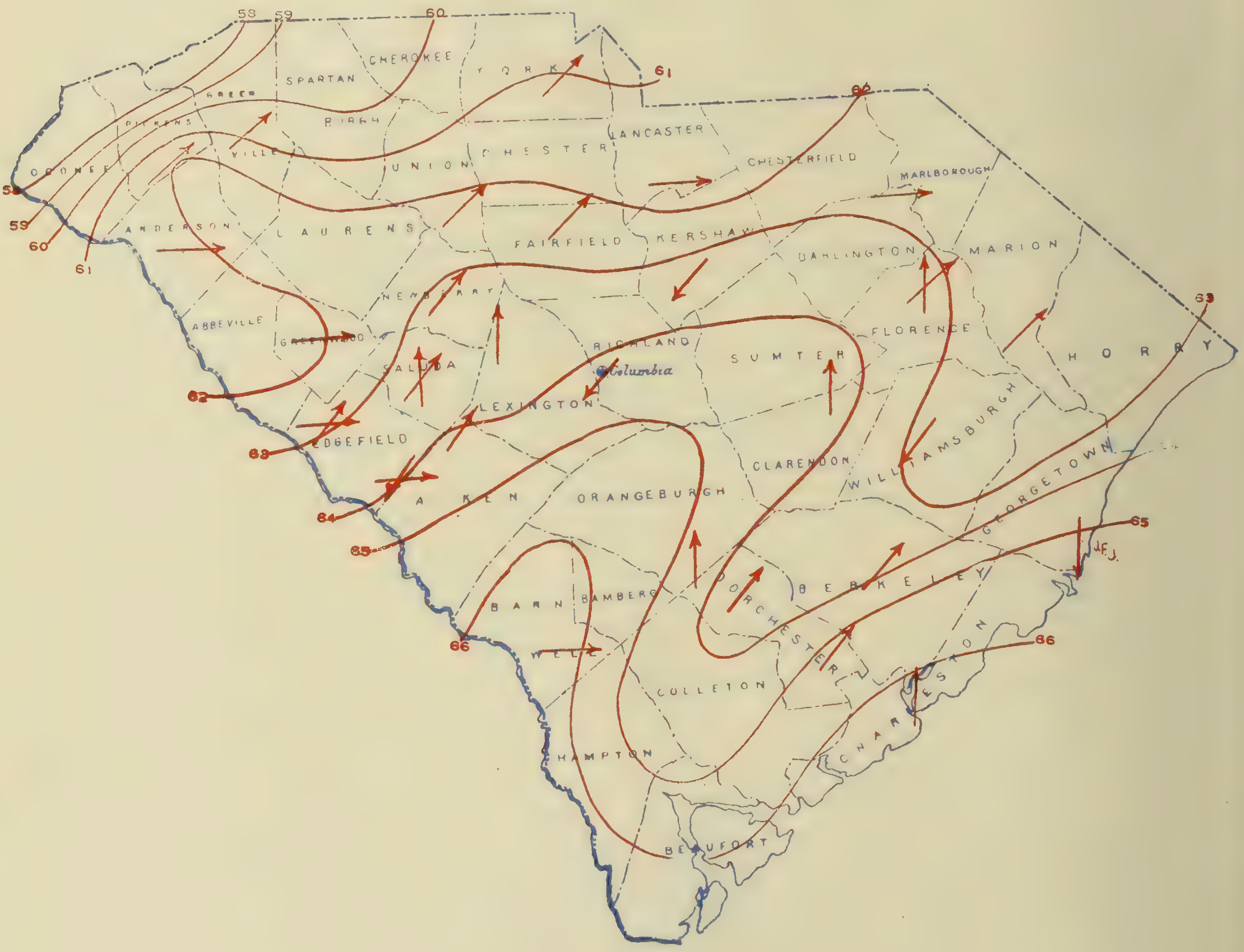
SOUTH CAROLINA SECTION

ANNUAL SUMMARY, 1916

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
March 19, 1917.

MEAN TEMPERATURE AND PREVAILING WINDS FOR THE YEAR OF 1916.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

Vol. XIX. Columbia, S. C., Year, 1916. No. 13.

GENERAL SUMMARY.

Wide seasonal divergences and general lack of rainfall when most needed marked the weather of the year just closed. The opening month was unseasonably warm, a condition that extended to the middle of February, and, in consequence, all vegetation quickened and advanced beyond the safe limit. March and April were colder than usual, with frequent periods of abnormal cold and less than the normal moisture expectancy. The continued dry weather culminated in May, when the highest temperature of the year was recorded. Under rapid daytime thermal changes and persistent cold nights during the spring months, and at intervals even up to the close of June, all crops began the season in various stages of advancement, especially as regards such staples as cotton, corn, oats, and tobacco. Practically the most disastrous storm in the history of South Carolina occurred about the middle of July, the attendant rains exceeding many records incident to the great hurricane of August, 1893, followed by unusually destructive floods in the rivers of the northern and eastern parts of the Section. General crop deterioration then set in because almost continuous rainfall after the storm prevented much needed cultivation, but pastures and all forage crops grew luxuriantly. Recurring drought that set in after the July rains tended toward further reduction of the staple crop output, except as to forage. The summer, as a whole, was comparatively moderate, with no great extremes of temperature, and fine hay and other forage crops were harvested under favorable conditions. Cotton, which opened prematurely, was picked closely and much earlier than heretofore. October, November, and December were somewhat warmer than usual, but the rainfall continued light. Making allowance for the excessive rains of July, covering a period of about two weeks, the precipitation for the year ranged about 13 inches below normal, and crop production under this rainfall and the changeable thermal conditions of the late winter, spring and early summer was more than creditable.

The last general killing frosts occurred on March 17 and April 10, or about 7 days later than in 1915. The first general autumn killing frosts occurred on November 16, or about the same date as in 1915. The average latest spring killing frost date for the Section in 1916 was April 4, or 13 days later than normal, and the average earliest autumn killing frost date was November 13, or 3 days later than normal. The growing season of 1916 was 223 days in length, or 10 days less than normal and 4 days shorter than that of last year.

During the growing season, March to September, inclusive, the total rainfall was 32.01 inches, or 0.86 above the 30-year average. Deducting the excessive plus departure of 8.87 inches in July, the total rainfall during the season, when most needed, was but 23.14 inches, as compared with 28.85 inches for the same period last year.

Freshets in the Pee Dee and Santee river districts during portions of three months of the year were attended by unavoidable losses approximating $10,317,177, and the value of movable property saved by timely warnings of the Weather Bureau has been conservatively estimated at $527,870.

The annual mean temperature was 63.4°, or 0.5° above the 30-year normal. The warmest month was August, with a mean of 79.6°, or 0.8° above normal; coldest month, December, with an average of 46.7°, or 0.3° above normal. The highest annual mean temperature at any station was 66.3° at Charleston; lowest annual mean, 58.5° at Mountain Rest, Oconee Co. The highest temperature was 103° at St. Matthews, Calhoun Co., on May 8 and 27; lowest temperature, 10° at Mountain Rest, Oconee Co., on January 18.

The average annual precipitation was 43.91 inches, or 3.90 inches below the 30-year normal. The greatest annual amount at any station was 74.38 inches at Mountain Rest, Oconee Co.; least annual amount, 28.78 inches at Edgefield, Edgefield Co. The greatest monthly amount at any station was 31.13 inches at Kingstree in July; least monthly amount, 0.50 inches at Georgetown, Georgetown Co., in September, and at Chappells, Newberry Co., and Winthrop College, York Co., in November. The greatest 24-hour amount at any station during the year was 13.25 inches at Effingham, Florence Co., in July, or 1.60 inches above the previous highest record for the Section. The average annual number of days with measurable precipitation was 93; greatest number at any station, 127 at Mountain Rest, Oconee Co.; least number, 52 at Meriwether, McCormick Co.

The total amounts of snow ranged from Trace to 5.5 inches. The snowfall occurred principally during the storms of February and the latter part of December.

The average annual atmospheric pressure, determined from reports of 7 regular Weather Bureau stations, was 30.06 inches. The highest pressure in the region covered by reports was 30.66 inches at Asheville, N. C., on February 3, and at Columbia, S. C., and Wilmington, N. C., on February 4; the lowest pressure was 29.02 inches at Charleston on July 14.

The average annual sunshine, determined from 7 automatic records, was 66% of the possible amount. The average annual number of clear days was 184; partly cloudy, 97, and cloudy, 85, as against normals of 168, 104, and 93 days, respectively.

The average annual relative humidity was as follows: 8 a. m., 80%; 8 p. m., 68%.

The prevailing winds were from the southwest. The average annual hourly velocity, determed from 7 anemometer records, was 9.1 miles. The highest recorded velocity during the year was 72 miles per hour from the west at Charlotte, N. C., on June 20, and in the Section proper, 64 miles per hour from the north at Charleston on July 14.

Earth tremors were reported during the year as follows: On February 21 at Belton, Calhoun Falls, Columbia, Chappells, Clemson College, Gaston Shoals, Greenville, Greenwood, Landrum, Little Mountain, Liberty, Monetta, Newberry, Santuck, Spartanburg, Summerville, Westminster, and Winthrop College; on April 16, June 25, August 14, and September 24 at Summerville, and on October 18 at Columbia and Liberty.

WEATHER BY MONTHS.

January.—January was remarkably mild and dry, with temperatures ranging from 10° to 20° per day above the seasonal average during a large portion of the month, conditions that quickened all vegetation materially. The losses by freshets in the Santee River District were estimated at $313; value of movable property saved by timely warnings of the Weather Bureau, estimated at $24,730.

February.—A marked cold wave during the middle of the month, following a long period of abnormally warm weather, checked the growth of all vegetation, and considerable truck and young tobacco were damaged by frosts and freezes. The freshet damage in the Santee and Pee Dee river districts approximated $16,864, and the value of movable property saved by warnings was estimated at $103,140.

Winter.—Mean temperature, 48.3°, or 2.0° above the normal determined for 30 years. Precipitation averaged 8.99 inches, or 2.24 inches below the 30-year normal.

March.—The weather during March was unusually windy and very dry, the records showing velocities higher than for 15 years. Sharp freezes during the early part of the month caused further damage to truck on the coastal plain, where much replanting was necessary.

April.—Relatively dry weather continued during April, and germination was irregular and unsatisfactory, especially as to cotton and corn. Further damage resulted to truck and tobacco plants during the cold wave and freeze about the 10th, the frost line extending to the extreme southern coast. In short, there had been a remarkable transition from the abnormal advancement of vegetation during the late winter to a backward season at the close of April.

May.—Continued dry weather, with alternating periods of heat and cold, was generally unfavorable for the seasonable development of crops; but corn maintained unexpected vigor. Late rains, however, materially improved the general crop situation. The maximum temperature for the year was recorded during this month.

Spring.—Mean temperature, 63.0°, or 0.2° above the normal determined for 30 years. Precipitation averaged 6.37 inches, or 3.73 inches below the 30-year normal.

June.—While the rainfall averaged somewhat above normal, the amounts were abnormally high or low in many sections; but all vegetation was generally improved, on the whole. Cotton, though in various stages of advancement, came to good stands, and corn, which had withstood the drought well, came into roasting ear. Tobacco was backward but greatly improved, and field truck, gardens, and grasses were in good condition.

July.—July was a remarkably stormy month, with average rainfall far in excess of any previous record in the history of South Carolina and over 2 inches above the previous highest average of August, 1893. The total monthly rainfall of 31.13 inches at Kingstree exceeds the previous highest local monthly precipitation record for the State by 6.45 inches. This condition was brought about principally by the hurricane that passed

(CONTINUED ON PAGE 104.)

COMPARATIVE DATA FOR SOUTH CAROLINA.

Year.	Temperature.			Precipitation		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	62.3	110	5	43.43	101	....	....	....	......
1888	61.8	108	13	54.63	104	....	....	....	sw.
1889	62.0	102	10	46.76	86	....	....	....	se. †
1890	64.4	104	11	42.29	....	....	....	....	sw.
1891	63.0	....	13	47.52	....	....	....	....	......
1892	62.4	102	6	47.36	....	....	....	....	......
1893	63.0	104	3	53.68	98	....	....	....	sw.
1894	63.5	105	−1	50.49	105	154	123	88	sw.
1895	61.9	105	−6	48.99	88	154	116	95	sw.
1896	63.9	104	5	44.95	86	163	119	84	sw.
1897	63.3	107	3	46.40	99	158	102	105	sw.
1898	63.2	106	8	49.26	107	143	111	111	sw.
1899	62.8	105	−11	46.76	95	158	104	103	sw.
1900	63.2	106	1	49.79	96	167	99	99	sw.
1901	61.1	102	2	54.98	106	167	102	96	sw.
1902	62.6	107	10	46.43	98	172	99	94	sw.
1903	62.2	105	10	50.87	103	166	95	104	sw.
1904	61.7	105	8	40.98	95	188	87	91	sw. †
1905	62.6	107	0	45.10	92	169	85	111	sw. †
1906	63.3	102	11	54.81	107	159	103	93	sw.
1907	63.3	106	12	47.79	99	157	123	75	sw.
1908	63.7	100	12	53.33	94	169	114	83	sw.
1909	63.4	105	7	44.61	91	178	113	73	sw.
1910	62.7	103	11	45.31	91	181	111	73	sw.
1911	64.9	106	16	39.80	91	161	120	84	sw.
1912	62.5	109	6	54.32	102	177	70	119	sw.
1913	63.8	109	16	47.57	93	181	81	103	sw.
1914	62.5	108	11	43.39	96	163	110	92	w.
1915	62.9	106	17	48.89	93	190	92	83	w.
1916	63.4	103	10	43.91	93	184	97	85	sw.
Period	62.9	110	−11	47.81	97	168	104	93	sw.

† Also other directions:

MONTHLY AND ANNUAL CLIMATOLOGICAL DATA FOR SOUTH CAROLINA, YEAR 1916.

Months.	Temperature.				Precipitation.			Relative humidity.		Percentage of possible sunshine.	Number of days.				Wind.	
	Mean.	Departures.	Highest.	Lowest.	Average.	Departures.	Greatest local monthly amount.	Average 8 a. m.	Average 8 p. m.		Rainy.	Clear.	Partly Cloudy.	Cloudy.	Average hourly velocity.	Prevailing direction.
January	52.3	+6.7	81	10	1.76	−1.61	3.82	86	76	56	9	10	9	12	9.7	ne.
February	48.5	+1.6	81	11	3.96	−0.48	6.86	78	65	68	8	17	6	6	10.5	sw.
March	53.7	−0.9	87	15	2.14	−1.72	5.57	73	57	76	5	19	8	4	11.9	sw.
April	61.6	−0.7	93	24	1.79	−0.98	3.14	70	57	73	5	18	8	4	10.2	w.
May	73.8	+2.2	103	42	2.44	−1.03	7.36	72	60	76	5	20	7	4	9.2	sw.
June	76.4	−1.2	100	48	5.12	+0.09	9.75	80	70	63	11	12	11	7	7.7	sw.
July	77.8	−2.1	99	60	14.69	+8.87	31.13	87	81	44	17	5	12	14	8.3	sw.
August	79.6	+0.8	100	58	3.27	−2.99	10.91	86	77	64	8	16	10	5	6.7	sw.
September	72.2	−2.0	99	35	2.56	−1.38	6.97	82	70	73	7	17	8	5	7.9	ne.
October	64.1	+0.8	92	31	2.54	−0.64	6.96	83	72	64	5	16	7	8	10.1	ne.
November	54.5	+0.6	88	17	1.21	−1.09	3.23	80	67	71	4	18	5	7	8.1	ne.
December	46.7	+0.3	79	11	2.43	−0.96	4.76	78	66	61	9	16	6	9	9.1	w.
Annual	63.4	*+0.5	103	10	43.91	*−3.90	31.13	80	68	66	93	184	97	85	9.1	sw.

* From 30-year averages.

KILLING FROST OR FREEZING TEMPERATURE DATES AND GROWING DAYS.

Stations.	1916.		Averages—all records.		
	Last in spring.	First in autumn.	Last spring date.	First autumn date.	No. of growing days.
EASTERN PORTION.					
Allendale	Apr. 10	Nov. 16	Mch. 13	Nov. 16	248
Beaufort	Mch. 16	....	Feb. 28	Nov. 30	275
Blackville	Apr. 10	Nov. 16	Mch. 19	Nov. 14	240
Bowman	Apr. 10	Nov. 3	Mch. 23	Nov. 5	227
Centenary	Apr. 10	Nov. 16	....	....	....
Charleston	Mch. 16	Nov. 16	Feb. 19	Dec. 11	295
Cheraw	Mch. 17	Nov. 16	Apr. 1	Nov. 3	216
Conway	Mch. 17	Nov. 16	Mch. 19	Nov. 8	228
Darlington	Apr. 10	Nov. 16	Mch. 22	Nov. 1	217
Dillon	Mch. 18	....	Apr. 2	Nov. 1	213
Ferguson	Apr. 10	Nov. 16	Mch. 25	Nov. 7	227
Florence (1)	Mch. 17	Nov. 16	Mch. 22	Nov. 9	232
Georgetown	Mch. 17	Nov. 16	Mch. 10	Nov. 21	256
Kingstree	Apr. 10	Nov. 16	Mch. 13	Nov. 19	251
Mayesville (near)	Apr. 10	Nov. 16	....	....	....
Oaks	Apr. 10	Nov. 16	....	....	....
Orangeburg	....	Nov. 16	....	....	....
Pinopolis	Mch. 18	Nov. 16	Mch. 4	Nov. 29	270
St. George	Mch. 17	Nov. 16	Mch. 9	Nov. 15	251
St. Matthews	Apr. 10	Nov. 16	Mch. 13	Nov. 14	246
Society Hill	Apr. 10	Nov. 16	Mch. 19	Nov. 10	236
Summerville	Apr. 10	Nov. 16	Mch. 15	Nov. 14	244
Walterboro	Apr. 10	....	Mch. 15	Nov. 9	239
Yemassee	Apr. 10	Nov. 16	Mch. 11	Nov. 14	248
Normal	....	....	Mch. 16	Nov. 14	243
Averages for 1916	Apr. 1	Nov. 15	....	....	228
WESTERN PORTION.					
Aiken	Apr. 10	Nov. 16	Mch. 30	Nov. 10	225
Anderson	Mch. 17	Nov. 16	Mch. 28	Nov. 4	221
Batesburg	Apr. 10	Nov. 16	Mch. 29	Nov. 11	227
Camden	Apr. 10	Nov. 16	Mch. 22	Nov. 8	231
Clemson College	Apr. 10	Nov. 16	Apr. 3	Oct. 31	211
Columbia	Mch. 17	Nov. 16	Mch. 20	Nov. 18	243
Greenville	Apr. 10	Nov. 4	Apr. 6	Nov. 1	209
Greenwood	Apr. 10	Nov. 16	Mch. 23	Nov. 9	231
Heath Spring	Apr. 10	Nov. 16	Mch. 27	Oct. 31	218
Kershaw	....	Nov. 16	....	....	....
Landrum	Apr. 10	Nov. 4	....	....	....
Liberty	Apr. 10	Nov. 16	Apr. 1	Nov. 1	214
Little Mountain	Mch. 17	Nov. 16	Mch. 24	Nov. 12	233
Meriwether	Apr. 10	Oct. 22	Mch. 23	Nov. 2	224
Monetta	Apr. 10	Nov. 16	Mch. 25	Nov. 4	224
Mountain Rest	Apr. 10	Oct. 21	....	....	....
Newberry	Apr. 10	Nov. 16	Mch. 30	Nov. 1	216
Saluda	Apr. 10	Oct. 22	Apr. 3	Nov. 2	213
Santuck	Apr. 10	Nov. 16	Apr. 4	Oct. 29	208
Spartanburg	Apr. 10	Nov. 4	Mch. 24	Nov. 1	221
Trenton	Apr. 10	Nov. 16	Mch. 17	Nov. 16	244
White Oak	Apr. 10	Nov. 16	Mch. 27	Nov. 14	232
Winthrop College	Apr. 10	Nov. 16	Mch. 28	Nov. 7	224
Normal	....	....	Mch. 27	Nov. 6	224
Averages for 1916	Apr. 7	Nov. 11	....	....	218
Section Normal	....	....	Mch. 22	Nov. 10	233
Section averages for 1916	Apr. 4	Nov. 13	....	....	223

NOTE.—Killing frost data in above table determined according to the following standard: Last or first clear or partly cloudy day with temperature of 32° or lower and last or first cloudy day with 31° or lower, but without rain, sleet or snow; in case of precipitation, then the next succeeding day with proper temperature and weather was used. The average number of growing days is the difference between the average spring and autumn killing frost dates.

Climatological Data for the Year 1916.

Stations.	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).							Number rainy days.	Sky.			Prevailing direction of wind.
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall.		Number clear days.	Number partly cloudy days.	Number cloudy days.	
EASTERN PORTION.																				
Allendale	Barnwell	186	30	......	99	May 27	22	Feb. 15	35	......	13.75	July	0.95	May	0.0	......	......	......	......	w.
Beaufort	Beaufort	21	29	......	......	......	22	Feb. 15	31	......	......	......	0.99	Jan.	0.0	......	......	......	......	......
Blackville	Barnwell	296	29	66.1	102	May 8	19	Feb. 15	33	37.00	13.63	July	0.78	May	0.0	84	......	......	......	......
Bowman	Orangeburg	160	16	64.8	101	May 27	17	Feb. 16	16	42.79	14.88	July	0.92	May	0.0	78	221	95	60	sw.
Centenary	Marion	43	1	......	97	June 30†	17	Feb. 15	1	48.80	16.23	July	1.27	Apr.	T.	101	153	128	85	sw.
Charleston	Charleston	48	46	66.3	97	Aug. 13	22	Feb. 15	46	42.51	11.61	July	1.11	Nov.	0.0	103	180	106	80	s.
Cheraw	Chesterfield	144	30	62.9	99	May 27	16	Feb. 15	34	45.58	15.87	July	0.99	Nov.	1.0	114	......	......	......	......
Conway	Horry	25	20	62.9	93	May 9	17	Feb. 15	29	46.84	13.23	July	1.30	Nov.	T	77	......	......	......	......
Darlington	Darlington	175	19	63.2	99	May 27	11	Feb. 15	22	40.59	19.83	July	0.69	Nov.	T.	95	175	52	139	......
Dillon	Dillon	100	20	......	97	May 9	18	Jan. 18	18	......	18.79	July	1.62	Jan.	T.	......	......	......	......	......
Edisto ‡‡	Bamburg	143	......	......	......	......	......	......	29	39.71	14.41	July	0.65	Nov.	0.0	85	......	......	......	
Effingham	Florence	106	......	......	......	......	......	......	26	55.85	24.95	July	1.01	Apr.	0.0	83	......	......	......	......
Ferguson	Orangeburg	63	29	......	99	May 27	20	Feb. 15	31	54.59	27.33	July	1.05	Jan.†	0.0	78	......	......	......	......
Florence 1	Florence	136	30	63.5	101	May 8†	19	Feb. 15†	35	46.12	18.05	July	0.66	Nov.	T.	95	178	105	83	sw.
Florence 2	Florence	136	......	......	......	......	......	......	35	46.16	20.27	July	0.90	Nov.	T.	74	189	136	41	s.
Georgetown	Georgetown	12	24	65.7	99	Aug. 24	18	Feb. 15	24	52.44	20.25	July	0.50	Sept.	0.0	65	179	153	34	n.
Kingstree	Williamsburg	54	30	......	99	May 27	18	Feb. 15	35	62.18	31.13	July	1.16	Jan.	0.0	81	224	32	110	ne.
Mayesville (near)	Sumter	70	1	64.4	99	May 27	16	Feb. 15	1	46.44	19.24	July	1.15	Aug.	T.	108	171	87	108	s.
Oaks	Georgetown	......	1	......	97	May 8	18	Feb. 15	1	44.84	16.80	July	1.17	Apr.	0.0	......	......	......	......	s.
Orangeburg	Orangeburg	264	1	......	......	......	23	Nov. 26†	1	......	......	......	......	......	......	......	......	......	......	......
Pinopolis**	Berkeley	54	20	63.2	92	May 8†	22	Feb. 15	70	61.99	21.22	July	1.30	Sept.	0.0	88	175	63	128	sw.
Rimini	Clarendon	97	......	......	......	......	......	......	6	41.00	14.22	July	1.05	Nov.	0.0	100	......	......	......	......
St. George	Dorchester	109	30	......	100	May 27	20	Feb. 15	35	49.79	21.89	July	0.77	May	0.0	107	190	68	108	sw.
St. Matthews	Calhoun	269	30	65.0	103	May 8†	18	Feb. 16	35	36.50	10.26	July	0.83	May	0.0	73	180	140	46	s.
Society Hill	Darlington	192	26	62.3	102	May 27	15	Feb. 15	26	46.84	19.43	July	1.09	Apr.	T.	114	......	......	......	w.
Summerville	Dorchester	75	19	65.5	96	May 8	20	Feb. 15	19	51.54	17.50	July	1.38	Nov.	0.0	112	94	254	18	sw.
Walterboro	Colleton	69	14	......	98	May 8	20	Feb. 15	14	......	......	......	......	......	......	......	......	......	......	......
Yemassee	Hampton	24	23	64.7	97	May 8	19	Feb. 15	28	45.21	13.08	July	1.38	May	0.0	93	202	57	107	......
Division means and	extremes.	......	......	64.5	103	May 8†	11	Feb. 15	......	46.61	31.13		0.50	Sept.	T.	87	179	101	86	sw.
WESTERN PORTION.																				
Aiken	Aiken	527	27	......	101	May 27	18	Feb. 15	51	35.94	8.47	July	1.05	Mar.	0.0	101	214	73	79	ne-w.
Anderson	Anderson	764	29	......	99	May 11	17	Dec. 19	33	41.92	11.27	July	1.24	Nov.	2.5	104	222	9	135	w.
Batesburg	Lexington	656	29	62.7	96	May 11†	19	Jan. 9†	33	39.88	10.48	July	1.01	Nov.	T.	82	223	56	87	n.
Blairs	Fairfield	293	......	......	......	......	......	......	12	41.00	13.36	July	0.63	Nov.	T.	89	......	......	......	......
Calhoun Falls	Abbeville	508	......	......	......	......	......	......	25	46.63	15.22	July	1.07	Nov.	T.	94	......	......	......	......
Camden	Kershaw	222	11	......	100	May 26	22	Feb. 16	51	39.21	14.89	July	0.54	Apr.	0.0	93	......	......	......	ne.
Catawba	York	562	......	......	......	......	......	......	11	41.26	15.55	July	0.70	Nov.	3.0	91	......	......	......	......
Chappells	Newberry	402	......	......	......	......	......	......	12	31.60	7.86	July	0.50	Nov.	0.0	58	......	......	......	......
Clemson College	Oconee	850	22	61.5	91	May 27	15	Jan. 18	25	44.18	8.46	July	1.87	Nov.	3.5	97	181	89	96	sw.
Columbia	Richland	351	30	64.4	99	May 27	18	Feb. 15	30	30.87	7.58	July	0.56	Nov.	T.	105	156	101	109	ne.
Edgefield	Edgefield	......	......	......	......	......	......	......	4	28.78	5.73	July	0.65	Jan.	T.	58	......	......	......	......
Gaston Shoals‡‡	Cherokee	680	......	......	......	......	......	......	4	51.24	17.65	July	0.67	Nov.	6.2	100	......	......	......	......
Greenville	Greenville	989	25	60.7	100	May 27	13	Dec. 19	33	43.92	12.12	July	1.25	Aug.	8.1	117	172	107	87	sw.
Greenwood	Greenwood	671	30	61.4	98	May 11	17	Feb. 15	33	38.26	10.79	July	1.03	Nov.	T.	86	......	......	......	w.
Heath Spring	Lancaster	568	15	61.6	100	May 27	16	Feb. 14	15	34.60	11.79	July	0.51	Nov.	T.	77	126	187	53	w.
Kershaw	Kershaw	500	1	......	102	May 27	21	Dec. 14†	1	......	10.79	July	0.52	Nov.	......	......	......	......	......	......
Landrum	Spartanburg	1063	2	60.1	97	May 11	16	Dec. 14	2	59.50	20.80	July	1.53	Aug.	8.6	110	199	88	79	......
Liberty	Pickens	900	24	62.0	98	May 8†	17	Dec. 14†	24	46.82	10.69	July	1.56	Oct.	5.0	114	161	140	65	sw.
Little Mountain	Newberry	711	24	63.7	101	May 27	18	Feb. 15	24	36.40	13.03	July	0.87	Nov.	T.	77	220	61	85	s.
Meriwether	McCormick	450	14	......	102	May 11	19	Jan. 18	14	33.16	9.08	July	0.82	Mar.	T.	52	......	......	......	......
Monetta	Saluda	400	10	64.4	101	May 27	19	Jan. 18	10	38.58	8.03	July	1.17	Nov.	T.	103	124	195	47	sw.
Mountain Rest	Oconee	1380	1	58.5	92	May 27	10	Jan. 18	1	74.38	24.45	July	1.97	Mar.	7.5	127	194	81	91	......
Newberry	Newberry	502	25	63.4	102	May 27	19	Jan. 18	30	40.42	12.22	July	0.79	Nov.	1.0	104	120	145	101	sw.
Pelzer	Anderson	850	......	......	......	......	......	......	13	44.04	12.04	July	1.46	Nov.	3.2	100	......	......	......	......
Saluda	Saluda	536	15	63.2	101	May 11	17	Nov. 26	15	36.67	7.79	July	1.18	Nov.	T	101	243	55	68	s-sw.
Santuck	Union	512	24	62.2	101	May 27	17	Jan. 18†	24	37.78	10.23	July	0.68	Nov.	1.7	105	169	117	78	sw.
Spartanburg	Spartanburg	875	29	60.4	100	May 11†	15	Jan. 18	35	46.36	15.48	July	1.17	Nov.	4.8	92	......	......	......	......
Trenton	Edgefield	620	24	63.8	100	May 27	19	Feb. 15	24	35.48	7.91	July	1.17	Apr.	T.	58	209	108	49	sw-w.
Walhalla	Oconee	1061	......	......	......	......	......	......	16	......	14.53	July	2.38	Nov.	......	......	......	......	......	......
White Oak	Fairfield	548	1	......	102	May 27	20	Mar. 16†	1	......	16.05	July	0.55	Nov.	......	......	......	......	......	sw.
Winthrop College ‡‡	York	690	17	61.1	98	May 11	16	Jan. 18†	17	43.83	15.65	July	0.50	Nov.	2.0	69	159	156	51	sw.
Division means and	extremes.	......	......	62.4	102	May 11†	10	Jan. 18	......	41.88	24.45	July	0.50	Nov.	2.0	93	189	98	79	sw.
Section means and ex	tremes.	......	......	63.4	103	May 8†	10	Jan. 18	......	43.91	31.13	July	0.50	Sept.†	1.0	93	184	97	85	sw.

† On other dates also.
** Temperature data are from observed readings of the dry bulb; means are computed from observed readings.
‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

Monthly and Annual Precipitation for the Year 1916, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
EASTERN PORTION.																										
Allendale	.....	.....	2.77	-1.38	2.30	-1.52	1.47	-0.99	0.95	-2.42	4.13	-1.27	13.75	+8.24	1.22	-4.54	1.63	-2.26	2.55	-0.23	1.09	-0.57	2.11	-0.65	.....	.....
Beaufort	0.99	-2.08	1.74	-2.25	2.21	-1.20	.....	.....	1.40	-1.75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.86	-0.96	.....	.....
Blackville	1.57	-1.33	2.45	-2.02	1.47	-2.22	1.53	-1.77	0.78	-2.68	5.05	-0.57	13.63	+8.31	2.79	-2.98	2.05	-2.32	2.01	-0.97	1.07	-0.98	2.60	-0.88	37.00	(1)
Bowman	1.23	-1.89	2.90	-1.33	2.96	-1.23	3.14	-0.34	0.92	-2.49	3.72	-2.02	14.88	+9.34	4.08	-1.84	3.66	+0.20	2.59	-0.16	1.50	-0.47	1.21	-2.31	42.79	-4.54
Centenary	1.43	.....	3.05	.....	1.94	.....	1.27	.....	3.22	.....	3.00	.....	16.23	.....	3.04	.....	4.38	.....	6.96	.....	1.77	.....	2.51	.....	48.80	.....
Charleston	1.34	-2.11	1.47	-2.04	1.96	-1.76	2.35	-0.64	1.22	-2.25	9.75	+4.36	11.61	+4.35	3.10	-3.87	2.76	-2.70	4.37	+0.44	1.11	-1.76	1.47	-1.68	42.51	-9.56
Cheraw	1.92	-0.90	3.47	-0.85	2.27	-1.45	2.37	-0.41	2.29	-1.25	8.46	+3.13	15.87	*10.09	1.85	-4.54	1.25	-2.37	2.85	0.00	0.99	-1.20	1.99	-1.28	45.58	-1.03
Conway	1.61	-1.80	3.51	-1.08	2.96	-0.74	1.45	-1.46	5.16	+1.80	5.21	+0.14	13.23	+6.74	3.42	-3.64	2.31	-2.54	5.10	+1.60	1.30	-0.98	1.58	-1.62	46.84	-3.58
Darlington	1.77	-0.73	2.67	-1.93	2.06	-1.25	0.73	-2.42	2.39	-0.96	5.01	-0.72	19.83	*15.00	1.52	-3.43	0.90	-2.93	2.18	-1.16	0.69	-1.59	0.84	-1.95	40.59	-4.07
Dillon	1.62	-0.96	2.36	-1.42	3.14	-0.27	2.15	-0.61	3.12	-0.03	4.97	-1.53	13.79	+8.08	3.29	-1.72	4.52	+0.31	2.03	-1.63	.....	.....	.....	.....	.....	.....
Edisto	1.21	-1.86	2.25	-2.76	2.46	-1.60	1.42	-2.20	1.47	-1.56	3.77	-2.82	14.41	+8.77	5.34	-1.00	1.04	-2.61	2.86	+0.49	0.65	-1.66	2.83	-0.63	39.71	-9.44
Effingham	1.78	-1.62	3.65	-1.78	1.99	-2.08	1.01	-2.17	3.86	+0.49	3.64	-2.71	21.95	*20.47	2.37	-4.04	6.97	+3.45	2.07	-0.98	1.02	-1.22	2.54	-0.76	55.85	+7.05
Ferguson	1.05	-2.29	1.93	-2.12	3.12	-0.24	1.89	-0.91	1.05	-3.12	5.25	-0.59	27.33	*21.41	3.29	-4.04	1.90	-1.90	4.77	+1.78	1.39	-0.99	1.62	-1.41	54.59	+5.52
Florence 1	1.38	1.36	4.71	+0.21	2.57	-0.46	1.08	-1.82	2.85	-0.70	3.76	-1.65	18.05	*12.80	3.38	-2.07	2.78	-1.33	2.27	-0.84	0.66	-1.45	2.63	-0.15	46.12	+1.23
Florence 2	2.01	-0.73	3.03	-1.47	2.26	-0.77	1.04	-1.86	2.25	-1.30	3.67	-1.74	20.27	*15.02	3.53	-1.92	2.25	-1.86	2.60	-0.51	0.90	-1.21	2.35	-0.43	46.16	+1.27
Georgetown	1.25	-2.10	1.00	-3.54	5.57	+2.12	1.80	-1.50	2.90	-0.04	9.19	+3.30	20.25	*13.30	2.60	-4.44	0.50	-3.67	4.23	+0.55	1.23	-1.20	1.92	-1.63	52.44	+1.15
Kingstree	1.16	-1.81	2.77	-1.46	1.72	-1.73	1.63	-1.18	1.92	-0.92	4.57	-0.77	31.13	*25.53	3.56	-3.28	5.73	+1.97	4.55	+1.60	1.20	-0.98	2.24	-0.88	62.18	(2)
Mayesville (near)	1.80	.....	3.51	.....	1.88	.....	1.58	.....	2.86	.....	2.63	.....	19.24	.....	1.15	.....	4.74	.....	3.16	.....	1.48	.....	2.41	.....	46.44	.....
Oaks	1.82	.....	2.33	.....	2.92	.....	1.17	.....	2.11	.....	6.54	.....	16.80	.....	3.21	.....	3.17	.....	1.69	.....	1.21	..	1.87	.....	44.84	.....
Orangeburg	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.51	.....	0.77	.....	2.53	.....	.....	.....
Pinopolis	1.67	-1.43	2.27	-1.25	3.11	-0.54	1.81	-1.16	2.03	-1.82	7.81	+1.88	21.22	*14.94	10.91	+3.82	1.30	-3.29	4.27	+1.14	2.65	+0.15	2.94	-0.02	61.99	(3)
Rimini	1.34	.....	3.15	.....	1.35	.....	2.05	.....	1.37	.....	4.12	.....	14.22	.....	6.22	.....	1.47	.....	2.38	.....	1.05	.....	1.28	.....	41.00	.....
St. George	1.07	-1.60	2.41	-1.74	2.63	-0.90	2.08	-0.93	0.77	-2.41	4.80	-0.63	21.89	*15.88	6.31	-0.17	1.49	-2.57	3.06	+0.70	1.32	-0.63	1.96	-1.14	49.79	+3.86
St. Matthews	1.45	-1.61	3.10	-1.84	1.50	-2.02	1.85	-1.39	0.83	-2.56	5.76	-0.21	10.26	+4.85	4.53	-1.20	1.33	-2.31	2.02	-0.67	1.47	-0.67	2.40	-0.87	36.50	(4)
Smith Mills	1.49	-1.30	2.86	-1.64	2.71	-1.11	1.35	-1.92	3.89	-0.04	5.03	-0.71	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Society Hill	1.67	-1.24	3.04	-1.72	2.31	-1.05	1.09	-2.20	1.47	-1.75	6.97	+1.14	19.43	*13.24	2.19	-3.77	2.85	-1.17	2.25	-0.88	1.72	-0.55	1.85	-1.41	46.84	-1.36
Summerville	1.89	-1.21	2.56	-1.88	2.81	-0.62	2.33	-1.15	2.96	-0.05	9.15	+3.39	17.50	*11.48	2.79	-5.23	1.76	-2.56	4.40	+0.46	1.38	-0.97	2.01	-1.54	51.54	+0.12
Walterboro	1.77	-1.15	1.55	-2.77	2.13	-1.73	2.75	-0.58	1.14	-2.51	4.54	-1.64	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whitehall (near)	.....	.....	.....	.....	.....	.....	2.78	.....	2.20	.....	6.62	.....	.....	.....	5.96	.....	3.27	.....	3.27	.....	1.65	.....	.....	.....	.....	.....
Yemassee	1.60	-1.19	1.97	-2.06	2.05	-1.52	2.50	-0.47	1.38	-1.92	7.01	+0.83	13.08	+6.33	5.50	-1.19	2.24	-2.00	4.01	+1.08	1.74	-0.32	2.13	-1.08	45.21	-3.51
Division means and departures.	1.53	-1.45	2.66	-1.73	2.45	-1.16	1.77	-1.29	2.09	-1.28	5.50	-0.06	17.71	*11.85	3.74	-2.70	2.63	-1.67	3.16	-0.18	1.27	-0.88	2.10	-1.09	46.61	-1.98
WESTERN PORTION.																										
Aiken	1.45	-2.15	4.10	+0.02	1.05	-2.96	1.01	-2.11	2.32	-1.08	6.30	+1.58	8.47	+3.93	1.95	-3.79	4.54	+1.27	1.27	-1.45	1.24	-1.50	2.24	-1.55	35.94	-9.79
Anderson	2.37	-1.38	5.84	+0.31	1.28	-3.75	3.12	-0.15	3.17	+0.53	2.34	-2.35	11.27	+5.95	2.38	-3.61	3.78	+0.23	2.09	-0.75	1.24	-1.56	3.04	-1.74	41.92	-8.24
Batesburg	1.55	-1.82	4.89	-0.85	1.83	-2.73	1.77	-1.14	1.46	-1.96	4.31	-0.77	10.48	+5.05	3.43	-2.59	3.00	-0.89	1.96	-1.29	1.01	-1.55	4.19	+0.33	39.88	(5)
Blairs	2.06	-1.05	5.58	+1.68	2.58	-0.99	1.24	-0.87	1.33	-1.21	5.78	+0.74	13.36	+8.26	2.81	-1.82	2.09	-0.73	1.43	-1.25	0.63	-1.71	2.11	-1.89	41.00	-0.84
Calhoun Falls	1.36	-1.99	6.32	+1.16	1.48	-3.34	2.20	-1.38	2.63	-0.90	1.76	-3.11	15.22	*10.48	4.53	-0.33	2.52	-1.48	4.68	+1.83	1.07	-1.24	2.86	-1.56	46.63	-1.86
Camden	1.57	-1.77	4.23	+0.09	2.22	-1.41	0.54	-2.57	0.57	-2.64	6.43	+1.90	14.89	*10.04	2.39	-2.99	1.83	-1.99	2.19	-0.54	0.56	-1.80	1.89	-1.44	39.21	-5.22
Catawba	1.82	-1.38	5.78	+1.27	2.00	-2.82	1.82	-0.58	1.58	-1.74	3.92	-1.51	15.55	+9.81	2.94	-2.43	1.43	-1.78	1.35	-2.28	0.70	-1.74	2.37	-1.93	41.26	-6.42
Chappells	1.11	-1.74	4.78	+1.07	1.74	-1.82	1.33	-0.87	1.97	-0.56	4.48	+0.20	7.86	+3.59	1.82	-3.68	2.35	-3.15	1.10	-1.71	0.50	-1.89	2.56	-2.21	31.60	(6)
Clemson College	3.00	-1.55	5.87	+0.45	1.58	-3.26	3.04	-0.74	4.60	+1.19	4.85	-0.09	8.46	+3.23	2.31	-3.16	2.04	-2.18	2.48	-0.86	1.87	-0.89	4.08	-1.05	44.18	-8.91
Columbia	1.32	-1.97	3.76	-0.95	1.98	-1.72	1.11	-1.75	0.58	-2.61	4.15	-0.03	7.58	+1.52	4.87	-1.91	2.23	-1.22	1.33	-1.52	0.56	-1.67	1.40	-1.50	30.87	(7)
Edgefield	0.65	.....	4.89	.....	1.61	.....	1.08	.....	1.98	.....	4.78	.....	5.73	.....	2.15	.....	1.40	.....	0.88	.....	1.25	.....	2.38	.....	28.78	.....
Gaston Shoals	1.51	-2.33	5.98	+1.58	1.37	-3.34	1.95	-1.27	5.06	+2.09	6.99	+1.72	17.65	+9.67	2.14	-3.32	2.23	-0.74	2.91	+0.12	0.67	-1.90	2.78	-1.90	51.24	+0.38
Greenville	3.10	-1.15	5.96	+0.68	1.29	-4.21	2.41	-1.27	4.59	+0.27	3.75	-1.46	12.12	+6.70	1.25	-4.83	2.63	-1.28	1.58	-1.38	2.01	-1.17	3.23	-1.42	43.92	(8)
Greenwood	1.81	-1.78	6.37	+1.56	1.39	-2.68	1.24	-1.69	1.80	-1.82	3.63	-0.67	10.79	+5.70	2.50	-2.96	3.56	-0.23	1.45	-1.38	1.03	-1.72	2.69	-1.79	38.26	-9.16
Heath Spring	2.39	-0.86	3.57	-0.71	1.90	-1.77	1.17	-1.76	1.10	-2.10	4.04	-1.57	11.79	+7.54	2.93	-3.42	1.21	-1.97	1.82	-0.81	0.51	-1.56	2.17	-2.09	34.60	(9)
Kershaw	.....	.....	.....	.....	.....	.....	.....	.....	0.93	.....	9.19	.....	10.79	.....	2.81	.....	1.86	.....	1.70	.....	0.52	.....	2.27	.....	.....	.....
Landrum	3.78	.....	5.95	.....	2.96	.....	2.92	.....	7.07	.....	4.43	.....	20.80	.....	1.53	.....	1.74	.....	3.14	.....	1.94	.....	3.24	.....	59.50	.....
Liberty	3.05	-1.22	5.09	-0.70	3.50	-1.91	3.10	-1.53	3.24	-1.15	4.29	-1.11	10.69	+4.89	2.64	-4.12	3.66	-0.40	1.56	-2.20	2.02	-0.77	3.98	-2.23	46.82	(10)
Little Mountain	1.63	-1.43	4.45	-0.34	2.02	-1.85	1.48	-1.69	2.06	-0.79	3.23	-1.38	13.03	+8.29	1.59	-3.71	3.15	+0.19	1.36	-1.65	0.87	-1.64	1.53	-1.76	36.40	-7.76
Meriwether	1.45	-1.49	5.21	+0.63	0.82	-3.64	1.40	-1.53	3.01	+0.53	3.31	-1.42	9.08	+4.13	1.43	-3.43	2.90	-0.17	1.15	-1.20	1.16	-1.52	2.24	-1.68	33.16	(11)
Monetta	1.53	.....	5.30	.....	1.56	.....	1.78	.....	1.53	.....	6.90	.....	8.03	.....	4.29	.....	2.54	.....	1.46	.....	1.17	.....	2.49	.....	38.58	.....
Mountain Rest	3.82	.....	5.48	.....	1.97	.....	3.08	.....	7.36	.....	7.12	.....	24.45	.....	6.59	.....	4.11	.....	2.41	.....	3.23	.....	4.76	.....	74.38	.....
Newberry	1.87	-1.58	5.89	+1.75	2.00	-1.85	1.41	-1.36	1.67	-1.29	5.86	+1.50	12.22	+7.78	3.16	-2.28	1.67	-1.36	1.75	-1.00	0.79	-1.18	2.13	-2.79	40.42	-4.66
Pelzer	2.34	-1.40	6.86	+2.38	1.62	-3.18	1.92	-1.62	3.90	+0.16	2.52	-2.00	12.04	+6.74	3.00	-1.49	3.16	-0.05	1.90	-1.41	1.46	-1.09	3.32	-2.14	44.04	-5.10
Saluda	1.95	-1.38	4.57	-0.17	1.64	-2.42	1.72	-0.75	2.11	-0.43	4.69	-0.33	7.79	+3.58	3.70	-2.17	3.75	+0.45	1.37	-1.67	1.18	-1.35	2.20	-1.81	36.67	-8.45
Santuck	2.36	-1.10	5.65	+0.71	2.80	-1.66	1.88	-1.40	2.83	-0.12	3.59	-0.64	10.23	+5.28	2.17	-3.65	1.61	-1.86	1.82	-1.43	0.68	-2.13	2.16	-2.12	37.78	(12)
Spartanburg	1.62	-2.01	5.28	+0.47	1.75	-3.05	2.72	-0.52	4.71	-0.51	4.29	-0.90	15.48	*11.18	1.25	-4.40	2.63	-0.95	2.56	-0.11	1.17	-1.69	2.90	-1.47	46.36	-2.97
Trenton	1.77	-1.39	5.87	+0.45	2.25	-2.18	1.17	-2.16	1.87	-0.99	3.97	-0.70	7.91	+2.26	2.23	-4.25	2.93	-0.44	1.22	-2.08	1.67	-0.91	2.62	-1.37	35.48	(13)
Walhalla	.....	.....	.....	.....	.....	.....	.....	.....	4.29	+0.26	4.57	-0.63	14.53	+8.57	5.82	-0.20	2.97	-2.48	2.58	-0.38	2.38	-0.03	4.53	+0.17	.....	.....
White Oak	.....	.....	.....	.....	2.34	-1.60	0.90	-1.74	1.07	-2.11	4.67	-0.07	16.05	*11.14	2.36	-3.21	1.65	-1.81	1.60	-1.42	0.55	-1.70	1.73	-1.86	.....	.....
Winthrop College	1.41	-1.61	3.79	-0.33	1.23	-2.72	1.92	-1.10	2.83	-1.33	7.57	+2.19	15.65	*10.76	4.13	-1.68	0.79	-2.49	2.51	-0.40	0.50	-1.86	1.50	-3.09	43.83	-3.66
Division means and departures.	1.99	-1.48	5.26	+0.57	1.85	-2.52	1.81	-1.47	2.75	-0.69	4.76	-0.38	12.26	+7.88	2.88	-2.73	2.51	-1.10	1.95	-1.03	1.17	-1.43	2.69	-1.69	41.88	-5.79
Section means and departures.	1.76	-1.61	3.96	-0.48	2.14	-1.72	1.79	-0.98	2.44	-1.03	5.12	+0.09	14.69	+8.87	3.27	-2.99	2.56	-1.38	2.54	-0.64	1.21	-1.09	2.43	-0.96	43.91	-3.90

The departures from the normal precipitation are computed only for such stations as have ten or more years of record.
T. Precipitation is less than .01 inch of rain or melted snow. * Indicates plus (+)
(1) -10.41. (2) +16.09. (3) +12.42. (4) -10.50. (5) -10.21. (6) -10.33. (7) -15.33. (8) -10.52. (9) -11.58. (10) -12.45. (11) -10.79. (12) -10.12. (13) -13.66.

Monthly and Annual Mean Temperatures for the Year 1916, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
EASTERN PORTION.																										
Allendale	....	....	^{b}49.8	+1.6	56.5	−1.2	63.6	−0.4	75.9	+2.7	79.4	0.0	79.6	−1.7	80.4	0.0	73.4	−2.6	66.2	+1.3	56.6	+1.3	49.2	+2.1	....	....
Beaufort	^{b}56.4	+5.3	52.5	+0.9	^{a}55.5	−3.5	....	....	^{h}75.6	+2.0	....	....	....	....	....	....	....	....	^{b}66.9	−0.5	....	....	51.5	−0.3	....	....
Blackville	55.6	+8.5	^{c}52.0	+4.8	^{c}57.8	−0.3	64.4	+0.5	76.7	+3.2	79.5	−0.2	79.2	−2.5	81.9	+1.3	74.6	−1.2	66.4	+1.9	57.7	+2.2	47.8	+0.5	66.1	+1.5
Bowman	56.2	+8.2	50.2	+2.8	55.2	−3.0	62.0	−1.5	73.4	+1.1	77.3	−0.7	78.2	−2.2	79.6	+0.2	72.8	−2.4	66.1	+1.9	55.2	+1.0	51.2	+3.8	64.8	+0.8
Centenary	52.2	....	47.2	....	52.1	....	....	....	....	....	76.4	....	78.6	....	79.8	....	^{a}72.0	....	65.5	....	57.6	....	48.4	....	....	....
Charleston	55.9	+6.6	52.0	+0.2	55.2	−2.0	64.0	+0.2	74.4	+1.4	78.0	−0.5	79.1	−2.2	81.8	+1.5	75.1	−1.1	67.4	+0.3	59.2	+1.1	53.0	+1.7	66.3	+0.7
Cheraw	51.8	+8.5	47.2	+2.7	53.4	−0.5	61.6	+0.5	74.1	+3.4	74.8	−2.5	77.4	−2.5	78.8	+0.2	72.4	−0.9	63.8	+2.2	53.8	+1.9	45.0	+0.9	62.9	+1.2
Conway	^{a}53.5	+5.4	50.4	+3.1	53.8	−3.0	60.6	−2.2	70.4	−0.6	73.8	−3.3	77.0	−3.1	78.4	−0.9	^{a}70.2	−4.6	64.2	0.0	54.5	+0.4	^{a}48.1	+0.2	62.9	−0.7
Darlington	51.6	+6.0	^{a}47.6	+3.0	52.7	−3.6	62.1	+0.4	74.0	+2.6	76.4	−0.5	78.2	−1.8	80.1	+1.3	72.2	−2.1	^{b}64.5	+1.1	54.2	+2.1	^{a}45.2	0.0	63.2	+0.7
Dillon	53.6	+6.6	^{d}47.1	+0.7	^{a}54.2	−1.1	^{c}61.8	−0.3	^{f}73.2	+1.6	75.6	−1.5	78.4	−1.8	^{b}78.8	−0.1	^{d}71.6	−3.2	65.5	+1.5	....	....	....	....	....	....
Ferguson	54.5	+7.2	49.6	+1.9	54.2	−2.1	65.6	+3.5	^{k}73.2	+2.1	78.4	+1.3	^{p}78.2	−1.2	....	....	....	....	^{a}67.4	+4.1	^{d}56.4	+1.3	46.2	−2.0	....	....
Florence 1	51.6	+6.6	47.4	+2.2	52.4	−3.6	61.4	−0.5	74.6	+2.1	77.2	−1.7	78.8	−2.6	81.6	+1.3	72.8	−2.0	64.4	+1.0	54.6	+0.5	45.2	+0.3	63.5	+0.3
Georgetown	54.2	+5.8	50.5	+2.0	55.2	−2.7	63.4	−0.1	74.8	+2.6	76.6	−2.0	^{a}80.5	−0.1	82.4	+2.3	75.0	−0.9	67.4	+2.0	57.6	+1.6	50.5	+1.5	65.7	+1.0
Kingstree	54.0	+6.5	48.8	+1.7	53.9	−3.4	62.2	−0.3	74.0	+1.9	77.2	−1.1	79.4	−1.2	80.9	+1.1	72.5	−2.7	65.2	+0.6	....	....	^{l}45.7	−2.0	....	....
Mayesville (near)	53.9	....	50.4	....	55.8	....	62.0	....	73.5	....	76.8	....	78.6	....	80.0	....	72.4	....	65.0	....	55.8	....	48.0	....	64.4	....
Oaks	55.4	....	^{b}49.4	....	....	....	^{b}61.4	....	^{a}72.2	....	77.8	....	....	....	^{a}81.5	....	72.1	....	^{a}66.4	....	^{a}57.4	....	^{c}49.2	....	....	....
Orangeburg	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	^{d}64.4	....	53.6	....	46.8	....	....	....
Pinopolis	54.8	+7.5	49.3	+1.2	54.0	−3.4	62.2	−0.2	72.1	+1.1	74.3	−2.3	75.9	−2.5	78.4	+0.5	71.1	−3.1	63.7	−0.5	55.1	+0.5	47.6	+0.2	63.2	−0.1
St. George	....	....	^{l}49.8	+2.7	57.6	−0.3	65.0	+1.4	76.0	+3.1	78.4	−0.3	78.7	−2.1	81.6	+1.7	74.1	−1.1	66.6	+2.1	57.4	+2.2	51.6	+3.9	....	....
St. Matthews	^{b}54.3	+8.3	50.9	+5.0	56.2	+0.1	63.4	+0.9	76.2	+4.2	78.9	+1.1	79.2	−0.7	81.4	+2.1	73.4	−1.0	65.2	+1.3	54.2	−0.3	46.5	+0.2	65.0	+1.8
Society Hill	50.6	+6.7	^{g}45.4	+1.0	51.7	−3.5	60.7	−1.1	^{a}70.6	−0.4	76.1	−1.0	78.4	−1.1	80.0	+1.6	72.3	−0.9	63.9	+2.1	53.3	+1.1	44.8	−0.2	62.3	+0.3
Summerville	56.4	+7.4	52.6	+3.8	56.0	−2.7	63.5	+0.2	73.8	+1.8	77.0	−0.4	78.4	−1.5	80.6	+1.3	73.1	−1.9	66.2	+1.3	56.8	+1.4	51.4	+2.5	65.5	+1.1
Walterboro	57.4	+6.3	53.2	+2.8	56.2	−4.6	^{d}61.2	−1.0	^{b}73.8	+0.8	^{b}77.4	−1.0	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Yemassee	55.6	+7.7	51.4	+3.0	55.0	−3.2	62.0	−1.8	72.9	−0.1	76.2	−2.6	78.2	−2.8	79.6	−0.6	72.6	−3.0	66.1	+1.3	55.9	+0.8	51.2	+3.5	64.7	+0.2
Division means and departures.	54.2	+6.9	49.8	+2.5	54.7	−2.5	62.7	−0.3	73.9	+1.8	77.0	−1.0	78.5	−1.8	80.4	+0.9	72.8	−2.2	65.4	+1.2	55.8	+1.1	48.4	+1.0	64.5	+0.7
WESTERN PORTION.																										
Aiken	^{d}52.9	+5.8	^{d}48.8	−0.2	^{f}52.6	−3.6	....	....	^{d}73.8	+0.6	^{b}77.9	−1.1	78.4	−2.8	80.6	+0.3	74.2	−2.3	65.5	0.0	56.8	+2.2	49.0	+1.3	....	....
Anderson	48.7	+4.0	46.8	+2.9	54.0	−0.4	60.4	−0.9	73.9	+3.3	76.0	−0.4	76.5	−3.2	^{e}78.6	0.0	....	....	....	....	55.0	+2.2	44.6	+0.6	....	....
Batesburg	51.0	+5.6	47.5	+2.7	^{d}52.4	−2.7	60.5	−1.0	73.7	+2.2	76.0	−1.8	76.8	−2.9	78.7	0.0	72.2	−1.7	63.3	+0.3	53.6	−0.1	46.2	+0.5	62.7	+0.1
Camden	52.6	+7.2	48.9	+2.5	53.7	0.0	61.4	0.0	^{a}74.6	+4.7	^{a}77.0	+0.9	....	....	....	....	....	....	^{f}62.3	+1.8	....	....	....	....	....	....
Clemson College	50.0	+7.5	47.7	+5.2	53.2	+0.3	60.3	+0.9	71.2	+1.9	73.8	−2.0	76.8	−1.0	77.6	−0.1	69.9	−2.9	61.0	+0.3	52.8	+2.4	43.4	+0.8	61.5	+1.1
Columbia	52.9	+7.8	49.2	+1.4	54.6	+0.6	62.6	−0.2	75.9	+4.1	78.0	−0.2	78.8	−2.3	80.2	+0.7	73.0	−0.7	64.4	+0.4	55.2	+1.4	47.4	+0.2	64.4	+1.2
Greenville	46.6	+5.9	44.2	+3.7	50.4	−0.2	58.7	+1.3	72.5	+5.4	74.8	+0.8	77.4	+1.0	79.4	+4.2	71.1	+0.3	60.9	+1.0	50.9	+1.2	41.8	+0.6	60.7	+2.1
Greenwood	48.6	+5.8	45.8	+2.8	50.8	−2.4	60.4	−0.3	74.0	+2.6	75.8	−2.2	76.6	−3.4	78.0	−0.8	70.6	−2.9	60.9	−1.1	52.2	+0.2	42.9	−0.4	61.4	−0.2
Heath Spring	48.7	+5.6	45.0	+3.0	51.8	−2.3	59.4	−1.0	72.6	+1.8	74.3	−2.8	75.4	−5.0	77.7	−1.7	71.6	−2.2	63.1	+1.6	54.7	+3.8	45.3	+3.3	61.6	+0.3
Kershaw	....	....	....	....	....	....	....	....	73.8	....	76.0	....	77.6	....	78.8	....	71.1	....	62.4	....	52.8	....	43.4	....	....	....
Landrum	46.6	....	44.2	....	50.6	....	58.6	....	71.0	....	72.8	....	75.6	....	76.9	....	69.0	....	61.0	....	52.2	....	42.2	....	60.1	....
Liberty	49.9	+7.1	45.8	+3.3	52.5	−0.6	60.4	+0.1	74.2	+4.2	75.7	−0.6	77.8	−1.4	78.9	+0.8	71.4	−1.5	61.6	+0.2	51.7	+1.0	43.8	+1.0	62.0	+1.2
Little Mountain	52.0	+6.7	49.2	+4.0	52.8	−3.3	62.2	+0.3	74.6	+2.4	77.6	−0.3	78.5	−1.9	80.4	+1.0	73.4	−1.6	62.6	−1.5	54.8	+1.0	46.7	+1.1	63.7	+0.6
Meriwether	54.0	+7.4	50.5	+4.1	55.9	−0.9	^{i}63.2	+0.7	^{b}76.4	+5.6	....	....	^{b}76.8	−3.4	....	....	^{g}74.6	−0.3	^{a}64.8	+1.4	^{b}55.0	+2.3	^{c}48.3	+2.1	....	....
Monetta	53.2	....	50.0	....	55.1	....	62.3	....	^{a}75.1	....	77.3	....	78.4	....	79.8	....	^{a}73.2	....	^{a}64.6	....	56.4	....	47.8	....	64.4	....
Mountain Rest	47.6	....	43.8	....	^{a}48.5	....	56.5	....	68.4	....	69.9	....	72.8	....	73.8	....	^{g}67.2	....	59.8	....	^{b}51.1	....	42.8	....	58.5	....
Newberry	50.9	+6.1	48.0	+3.8	53.7	−1.5	61.4	−0.6	75.0	+3.7	77.7	−0.7	78.8	−2.0	80.5	+1.1	72.8	−2.0	68.4	+0.9	53.4	+1.6	44.8	+0.2	63.4	+0.9
Saluda	51.9	+6.5	47.8	+1.5	54.4	−2.8	60.6	−1.9	73.5	+1.9	76.8	−1.2	78.0	−2.5	79.8	+0.4	73.3	−1.1	^{a}63.6	+0.7	52.9	−0.1	45.6	−0.1	63.2	+0.1
Santuck	49.7	+6.7	46.2	+3.6	52.4	−1.2	60.0	−0.2	74.3	+3.9	76.3	−0.4	78.3	−1.3	79.5	+1.0	71.8	−1.6	62.2	+0.7	52.6	+1.5	43.6	+0.4	62.2	+1.0
Spartanburg	46.3	+4.6	44.0	+1.7	49.6	−1.8	58.5	−1.4	72.8	+2.7	75.2	−0.9	77.6	−1.4	^{a}79.4	+1.5	70.3	−2.4	60.2	−0.7	50.6	0.0	40.9	−0.9	60.4	0.0
Trenton	52.0	+5.6	49.3	+3.2	54.6	−2.0	62.0	−0.6	74.4	+2.0	^{b}76.8	−1.7	77.7	−2.8	79.4	−0.2	72.8	−2.5	64.4	−0.1	^{b}55.4	+0.5	^{d}46.6	−0.4	63.8	+0.1
White Oak	....	....	....	....	53.9	+0.4	62.0	+0.9	75.4	+4.2	77.0	+0.3	78.4	−1.2	80.0	+1.8	73.0	−0.4	64.0	+1.7	54.8	+2.0	45.6	+1.5	....	....
Winthrop College	49.8	+6.3	46.0	+3.3	52.0	−1.9	60.4	−0.1	73.8	+3.6	74.6	−1.4	76.0	−3.9	77.3	−1.3	69.1	−4.1	59.7	+2.2	51.8	+0.1	43.2	+0.1	61.1	−0.2
Division means and departures.	50.3	+6.2	47.1	+2.8	52.7	−1 6	60.6	−0.4	73.8	+3.0	75.8	−1.0	77.2	−2.2	78.8	+0.3	71.6	−2.2	62.6	+0.3	53.5	+1.4	45.0	+0.8	62.4	+0.6
Section means and departures.	52.3	+6.7	48.5	+1.6	53.7	−0.9	61.6	−0.7	73.8	+2.2	76.4	−1.2	77.8	−2.1	79.6	+0.8	72.2	−2.0	64.1	+0.8	54.5	+0.6	46.7	+0.3	63.4	+0.5

The departures from the normal temperature are computed only for such stations as have ten or more years of record.
Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing: For example, ^{b} represents two days missing, etc.

Monthly Maximum Temperatures for the Year 1916, with Dates.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.
EASTERN PORTION.																								
Allendale	.....	.....	[a] 77	23	84	25	87	† 13	99	27	96	24	94	† 3	98	†23	93	† 6	89	9	83	10	78	9
Beaufort	[b] 78	† 2	75	† 1	[a] 81	22	.....	.....	[b] 95	9	.....	.....	.....	.....	.....	.....	.....	.....	[b]86	20	.....	.....	74	8
Blackville	80	† 11	[c] 79	1	[a] 85	† 21	92	† 13	102	† 8	100	22	96	19	100	17	97	† 7	91	16	88	7	79	7
Bowman	80	† 13	75	† 8	84	22	88	† 20	101	27	95	† 11	93	4	95	†13	96	7	89	9	81	13	78	8
Centenary	72	31	72	† 1	80	† 25	.....	.....	96	27	97	30	93	† 2	97	16	[a]96	7	89	9	84	10	76	8
Charleston	77	2	76	1	78	14	89	14	90	7	92	12	93	20	97	13	89	7	84	17	79	10	73	5
Cheraw	77	22	74	18	81	25	91	13	99	27	91	† 3	92	11	96	†12	97	7	87	† 7	81	5	73	8
Conway	[a] 79	31	79	1	81	14	86	20	93	9	90	10	90	28	92	16	[a]88	6	83	16	78	4	[a]74	8
Darlington	80	2	[a] 77	1	83	25	93	13	99	27	[a] 92	† 24	94	13	96	†12	95	7	[b]89	† 9	82	† 5	[a]75	8
Dillon	79	† 2	75	† 12	[a] 83	25	[c] 92	13	[f] 97	9	93	† 24	92	11	[b]94	†12	[d]92	7	87	8	.....	.....	.....	.....
Ferguson	79	† 28	80	1	85	24	89	14	99	27	93	24	91	†12	94	†11	[d]92	7	86	† 8	83	14	78	9
Florence 1	79	† 22	77	1	84	26	90	20	101	† 8	95	24	97	4	100	16	97	7	91	9	87	10	72	† 8
Georgetown	78	† 2	80	1	82	14	90	† 13	94	7	93	30	[a]94	†20	99	24	95	7	89	17	83	10	76	5
Kingstree	80	12	81	1	85	22	90	13	99	27	95	24	94	4	96	†11	92	† 7	88	† 8	r82	10	[l]76	28
Mayesville (near)	80	12	77	1	83	† 22	92	13	99	27	96	30	96	20	97	28	95	7	88	† 8	82	14	76	8
Oaks	78	† 22	[b] 80	1	[n] 84	22	[b] 87	14	[a] 97	8	93	† 6	92	20	[a]95	†16	93	7	[a]88	9	[a]84	12	[c]75	28
Orangeburg	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	d92	16	82	10	78	8
Pinopolis	74	31	76	1	82	22	86	14	92	† 8	88	24	90	20	92	†16	88	7	82	9	75	14	70	28
St. George	80	31	81	1	84	22	90	20	100	27	97	24	94	20	99	24	97	7	92	9	85	10	79	8
St. Matthews	78	† 12	77	† 1	84	25	93	13	103	† 8	97	11	95	20	99	†12	96	7	92	9	83	10	77	8
Society Hill	79	22	[g] 77	1	83	25	93	13	[a]102	27	97	24	94	11	98	16	98	7	87	† 8	83	5	74	9
Summerville	79	22	79	1	85	22	88	13	96	8	94	† 11	92	19	95	†16	91	6	84	† 8	80	10	75	8
Walterboro	81	26	81	1	86	22	90	14	98	8	[a] 95	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yemassee	80	† 2	81	1	85	22	88	† 13	97	8	95	22	94	19	96	17	92	† 7	88	9	83	10	78	8
Division extremes	81	26	81	1	86	22	93	13	103	† 8	100	22	97	4	100	†16	98	7	92	†9	88	7	79	† 7
WESTERN PORTION.																								
Aiken	[c] 78	12	[d] 74	† 12	[f] 87	22	92	20	101	27	95	23	92	28	97	17	95	7	87	16	81	14	76	8
Anderson	76	29	75	18	81	† 19	93	13	99	† 11	97	† 22	95	† 1	[e]96	12	.....	.....	.....	.....	84	9	76	5
Batesburg	75	12	72	23	[c] 81	25	88	13	96	† 11	93	23	90	† 3	93	23	92	7	86	7	80	5	74	7
Camden	77	† 12	75	18	83	22	93	13	[a]100	26	[a] 95	21	.....	.....	.....	.....	.....	.....	[f]77	† 7	.....	.....	.....	.....
Clemson College	71	29	71	18	77	† 21	84	13	91	27	89	29	88	3	88	†12	88	7	82	† 7	73	14	71	5
Columbia	77	12	74	18	81	22	89	13	99	27	93	30	92	3	95	16	92	7	85	9	80	9	73	8
Greenville	76	2	75	18	79	22	92	13	100	27	97	29	95	3	98	16	99	7	88	9	84	5	73	5
Greenwood	75	29	72	12	79	† 21	90	13	98	11	94	23	92	2	94	†13	94	† 7	85	8	79	5	70	8
Heath Spring	74	2	70	18	76	22	88	13	100	27	93	20	90	† 3	95	13	93	7	84	† 7	79	6	69	8
Kershaw	.....	.....	.....	.....	.....	.....	.....	.....	102	27	94	6	93	3	95	†12	94	7	88	8	82	5	73	8
Landrum	75	2	71	† 18	79	22	88	14	97	11	95	29	91	31	94	12	96	7	88	9	79	5	69	5
Liberty	72	† 2	70	† 17	78	21	90	13	98	† 8	95	29	92	† 2	94	†12	94	7	87	9	80	5	71	5
Little Mountain	75	12	74	20	82	25	[c] 89	13	101	27	96	29	96	4	96	†13	93	6	85	8	79	5	73	8
Meriwether	[a] 79	12	75	23	86	25	[b] 90	13	[b]102	† 11	[l] 98	30	[b]96	3	.....	.....	[g]98	7	88	† 7	[b]83	9	[c]76	8
Monetta	76	12	73	† 1	82	25	88	† 13	101	27	94	† 22	93	† 4	95	17	94	7	84	† 7	82	5	74	8
Mountain Rest	71	† 2	71	17	[a] 77	† 21	86	13	92	27	88	29	87	†17	90	13	[g]85	6	87	9	[b]81	5	72	† 5
Newberry	76	12	74	18	82	25	90	† 13	102	27	96	† 29	99	3	98	13	97	7	87	8	81	5	75	8
Saluda	76	† 12	74	19	83	25	90	13	101	11	95	30	93	† 3	96	13	97	† 3	[a]87	7	82	5	75	8
Santuck	74	2	72	18	79	25	89	† 14	101	27	98	30	96	3	97	†16	99	7	87	† 8	81	5	74	8
Spartanburg	73	2	72	18	79	21	90	13	100	† 11	95	29	91	† 2	98	†12	98	7	88	8	80	4	70	5
Trenton	76	31	72	23	83	25	89	13	100	27	[b] 94	† 22	92	1	94	†18	94	† 8	84	†8	[b]78	10	d72	8
White Oak	.....	.....	.....	.....	81	25	90	† 13	102	27	97	30	94	13	96	†12	96	7	89	8	81	5	72	8
Winthrop College	78	2	73	18	80	25	90	13	98	11	94	29	92	† 3	96	27	86	6	90	16	74	5	68	8
Division extremes	79	12	75	18	87	22	93	13	102	† 11	98	30	99	3	98	†12	99	7	90	6	84	† 5	76	† 5
Section extremes	81	26	81	1	87	22	93	13	103	† 8	100	30	99	3	100	†16	99	7	92	† 9	88	7	79	† 7

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.
† On other dates also.

WEATHER BY MONTHS.—*Continued.*

(CONTINUED FROM PAGE 100.)

over the Section between the 13th and 15th, attended by extraordinary rains over the higher elevations of the Carolinas, and followed by record-breaking floods in the Catawba, Wateree, Broad, and Santee rivers, and high floods in the Pee Dee and Edisto rivers. The damage will probably never be known, but conservative estimates place the flood losses at about $10,300,000 over about 700,000 acres. In the aggregate, about $3,200,000 worth of property represents the losses in South Carolina, and movable property valued at about $400,000 was saved by warnings of the Weather Bureau. Forage peas, sweet potatoes, hay, and pastures grew luxuriantly, but cotton began to shed, and field crops were overrun with grass, due to lack of cultivation.

August.—In direct contrast to the excessive precipitation of July, August was exceptionally dry, the average being close to the lowest August record. In consequence, general crop deterioration set in. Cotton opened much earlier than usual in many sections, and picking of the early crop was well advanced. Good hay, fodder, and forage crops were gathered. Floods in the Black, Lynches, and Edisto rivers subsided by the 5th, in the Waccamaw River by the 14th, and in the Santee River by the 19th.

Summer.—Mean temperature, 77.9°, or 0.9° below the normal determined for 30 years. Precipitation averaged 23.08 inches, or 5.97 inches above the 30-year normal.

September.—Precipitation during September was considerably below normal. Irregular germination in early season, succeeded by drought, storm stress and recurring drought, resulted in various stages of fruitage in cotton, which was about 15 days late, on the whole, and this condition was reflected on late corn, truck, gardens, forage peas, and pastures; but good crops of hay were harvested.

Monthly Minimum Temperatures for the Year 1916, with Dates.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.
EASTERN PORTION.																								
Allendale	......	......	[b] 22	15	27	9	32	10	52	2	60	† 2	69	† 2	62	27	50	30	42	22	24	26	24	20
Beaufort	[b] 26	18	22	15	[a] 28	9	......	......	[h] 48	1	......	......	......	......	......	......	......	......	[a] 45	22	......	......	28	†18
Blackville	20	18	19	15	[d] 25	16	28	10	51	† 1	58	9	67	† 2	62	21	46	†21	38	22	23	†16	23	19
Bowman	21	18	17	16	23	12	29	10	42	† 1	57	† 1	65	1	60	20	46	21	37	12	20	26	20	20
Centenary	20	18	17	15	23	17	30	10	42	1	54	2	63	8	60	20	[a] 48	30	39	12	24	26	23	20
Charleston	28	18	22	15	29	9	38	10	56	1	67	7	68	13	71	30	54	30	48	22	32	16	30	19
Cheraw	18	18	16	15	24	16	33	10	52	† 1	55	1	60	6	60	†20	48	†21	37	12	24	17	20	19
Conway	[a] 20	18	17	15	26	† 12	33	10	45	1	57	2	65	8	62	21	[a] 50	30	43	†11	24	26	[a] 23	20
Darlington	18	18	[a] 11	15	21	12	31	10	44	1	55	1	64	6	61	20	46	30	[a] 39	12	23	27	[a] 21	20
Dillon	18	18	17	15	[a] 24	† 9	[c] 34	9	[f] 42	2	56	† 2	64	8	[b] 63	†14	[d] 47	30	40	12	......	......	......	......
Ferguson	21	18	20	15	28	16	30	10	[k] 46	1	58	5	[p] 72	† 3	......	......	......	......	[a] 48	†21	[d] 29	†17	27	†23
Florence 1	20	18	19	† 15	26	† 9	33	10	47	1	58	† 1	65	8	63	†14	47	30	41	†11	25	26	24	20
Georgetown	22	18	18	15	27	12	34	10	46	1	55	† 3	[a] 67	† 7	65	†19	51	30	42	22	25	26	24	20
Kingstree	20	18	18	15	25	12	31	10	45	1	56	† 1	66	7	63	20	49	30	42	28	24	25	23	20
Mayesville (near)	17	18	16	15	22	12	28	10	43	1	54	1	66	7	60	20	47	21	34	12	24	†26	21	20
Oaks	20	18	[b] 18	15	......	......	[b] 31	10	[a] 42	1	53	2	......	......	[a] 61	21	49	30	[a] 41	24	[a] 23	17	[c] 23	19
Orangeburg	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	[u] 48	30	[d] 39	12	23	26	23	20
Pinopolis	26	17	22	15	30	† 9	34	10	50	1	61	2	70	† 1	68	30	52	30	44	22	30	26	29	†20
St. George	......	......	[l] 20	15	30	† 9	35	10	52	1	60	† 1	67	† 1	67	†20	49	30	41	22	28	†17	28	20
St. Matthews	[b] 21	18	18	16	24	9	31	10	52	18	58	1	67	31	63	†20	46	21	39	22	24	26	22	20
Society Hill	16	18	[g] 15	15	20	12	32	10	[a] 47	1	55	1	62	6	60	†14	46	30	38	12	23	27	21	20
Summerville	22	18	20	15	28	† 9	32	10	47	1	58	2	64	22	65	20	51	30	42	22	26	17	25	20
Walterboro	[a] 22	18	20	15	[b] 27	† 9	[a] 30	10	[b] 46	1	[b] 58	2	......	......	......	......	......	......	......	......	......	......	......	......
Yemassee	20	18	19	15	24	12	28	10	46	1	54	2	66	17	62	†20	47	30	37	22	22	26	22	20
Division extremes	16	18	11	15	20	12	28	10	42	† 1	53	† 2	60	6	60	†14	46	†21	37	†12	20	26	20	19
WESTERN PORTION.																								
Aiken	[d] 22	9	[d] 18	15	[f] 21	9	30	10	[d] 49	1	[b] 59	9	67	† 2	64	31	48	30	39	21	25	16	22	19
Anderson	18	18	20	15	21	9	34	10	50	17	54	9	63	4	62	14	45	30	35	22	23	16	17	19
Batesburg	19	† 9	19	15	[d] 23	15	29	10	51	19	57	1	65	31	62	21	44	21	39	12	24	16	23	19
Camden	27	† 15	22	† 16	24	† 17	29	10	[a] 50	† 2	[a] 55	9	......	......	......	......	[a] 46	21	[f] 38	†11	23	16	......	......
Clemson College	15	18	21	15	25	9	30	10	47	1	55	† 9	69	† 8	63	31	44	30	34	22	24	†16	20	20
Columbia	22	18	18	15	26	9	33	10	56	19	62	1	70	1	64	31	48	21	41	22	28	16	26	19
Greenville	15	18	16	15	18	9	24	10	45	1	51	† 9	65	1	62	†28	42	30	33	†21	20	26	13	19
Greenwood	18	18	17	15	21	16	30	10	50	1	52	9	66	† 3	60	20	45	30	37	22	22	16	20	†14
Heath Spring	17	18	16	14	21	16	30	10	53	† 1	57	1	61	11	60	21	45	30	38	22	20	16	21	14
Kershaw	......	......	......	......	......	......	......	......	50	1	56	5	64	6	59	21	45	30	39	†12	22	16	21	†14
Landrum	17	18	17	15	20	16	27	10	43	† 1	50	10	61	13	60	21	41	30	35	12	20	27	16	14
Liberty	18	18	19	15	20	† 9	30	10	51	18	53	9	66	11	62	28	41	30	33	22	21	16	17	†14
Little Mountain	19	18	18	15	23	9	34	10	50	3	59	1	68	† 2	62	30	45	30	39	22	24	16	24	14
Meriwether	19	18	20	15	25	† 9	[a] 29	10	[b] 51	6	[l] 56	† 9	[b] 67	27	......	......	[g] 46	30	[a] 32	22	[b] 23	16	[b] 23	†14
Monetta	19	18	19	15	23	16	30	10	[a] 52	19	60	† 1	68	† 1	63	21	[a] 47	30	[a] 40	22	26	16	24	19
Mountain Rest	10	18	14	15	[a] 15	9	25	10	42	5	48	9	61	27	58	25	[l] 35	30	31	21	[b] 19	16	11	19
Newberry	19	18	19	15	22	9	27	10	50	5	53	9	62	1	62	†21	45	21	37	22	21	†16	22	†14
Saluda	18	18	19	15	22	16	26	10	46	5	51	9	65	31	59	21	44	25	[a] 32	22	17	26	19	14
Santuck	17	18	17	15	20	16	29	10	50	1	53	9	66	† 1	60	21	44	30	36	22	20	16	20	†14
Spartanburg	15	18	18	† 15	21	16	30	10	47	1	52	9	66	† 1	[a] 61	30	44	30	35	†22	20	16	18	19
Trenton	20	18	19	15	23	9	30	10	53	† 1	[b] 60	9	67	† 2	63	20	46	30	37	22	[b] 24	16	[d] 22	19
White Oak	......	......	......	......	20	16	30	10	52	1	58	1	65	1	62	21	46	30	38	†21	23	†16	20	19
Winthrop College	16	18	16	15	19	16	31	10	53	† 10	56	9	60	27	62	29	46	†21	39	†11	22	16	17	19
Division extremes	10	18	14	15	15	9	24	10	42	5	48	9	60	27	58	25	35	30	31	†21	17	26	11	19
Section extremes	10	18	11	15	15	9	24	10	42	† 1	48	9	60	† 6	58	25	35	30	31	†21	17	26	11	19

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.
† On other dates also.

October.—While somewhat warmer than usual, the dry weather continued, except in isolated localities. Early cotton was about all picked, and the harvesting of late crops progressed under favorable conditions. Good acreages of oats and rye were planted, but the soil was generally too dry for satisfactory plowing and seeding.

November.—Thermal conditions during November were nearly ideal, but the weather continued exceptionally dry, and practically all late crops were gathered during the early part of the month. All vegetation was checked by the general killing frosts and freezes of the 16th. The top crop of cotton was in such condition, however, that an increased yield was promised, and gleaning was practiced this year much more closely than usual.

Autumn.—Mean temperature, 63.6°, or 0.2° below the normal determined for 30 years. Precipitation averaged 6.31 inches, or 3.11 inches below the 30-year normal.

December.—Temperatures averaged near the normal, but the precipitation continued light. A small percentage of oats was lost at germination during the freeze of the middle decade; otherwise, the grain and other winter crops were in good condition. Cotton picking was about all finished by the close of the year.

ERRATA.

MARCH.—Departure from normal precipitation for Allendale, page 20, should be −1.52. Total precipitation for Anderson, page 20, should be 1.28.

MAY.—Departure from normal precipitation for Effingham, page 36, should be +0.49. Departure from normal temperature for Summerville, page 36, should be +1.8. Departure from normal precipitation for Winthrop College, page 36, should be −1.33.

JULY.—Lowest temperature for Heath Spring, page 52, should be 61. Date of lowest temperature for Winthrop College, page 52, should be 27.

AUGUST.—Date of lowest temperature for White Oak, page 62, should be 21.

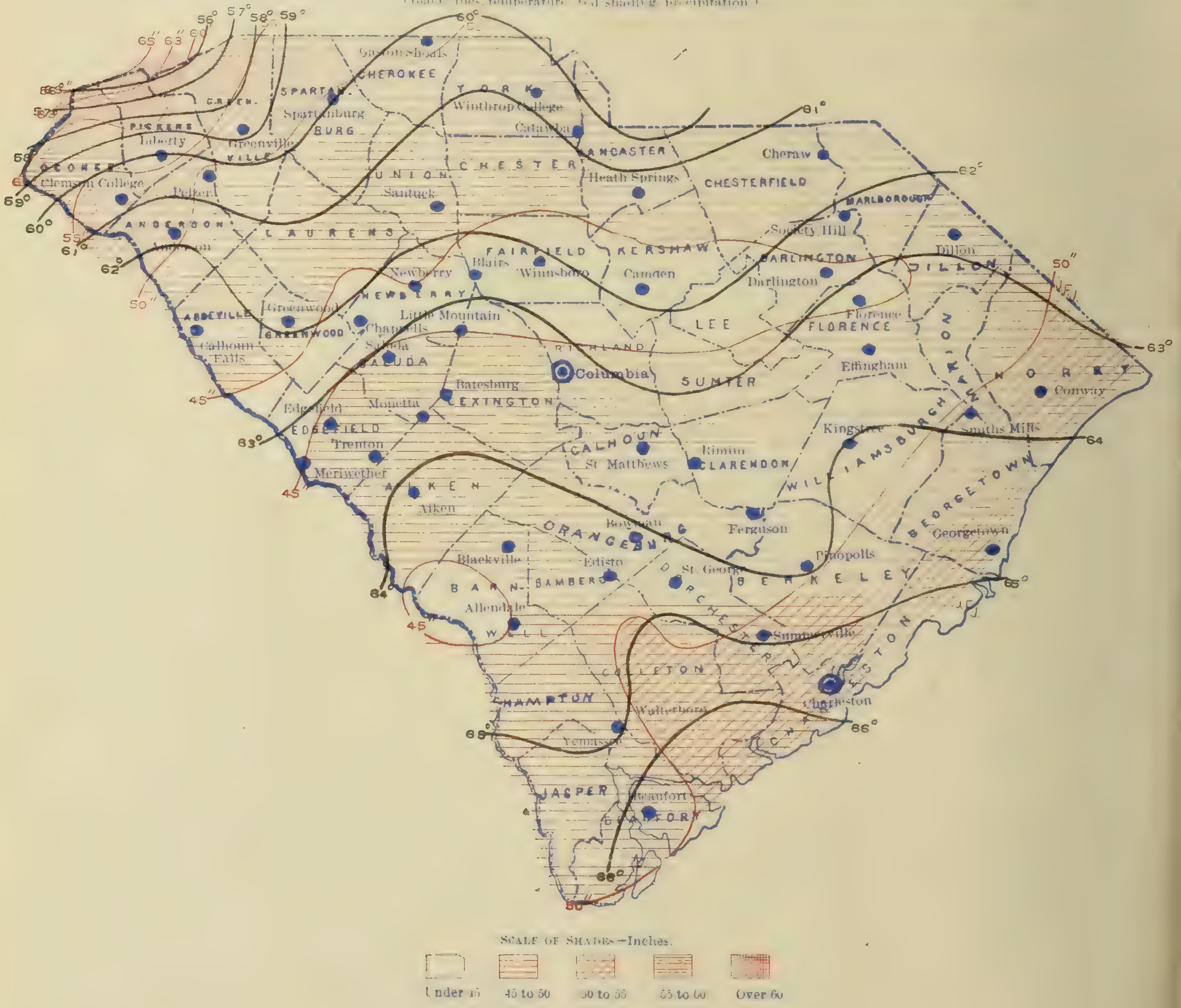
SEPTEMBER.—Mean temperature for Eastern Portion, page 70, should be 72.8. Departure from normal precipitation for Saluda, page 70, should be +0.45. Highest temperature for White Oak, page 70, should be 96.

OCTOBER.—Date of highest temperature for Georgetown, page 76, should be 17. Departure from normal temperature for Clemson College, page 76, should be −0.3. Date of highest temperature for Trenton, page 76, should be †8.

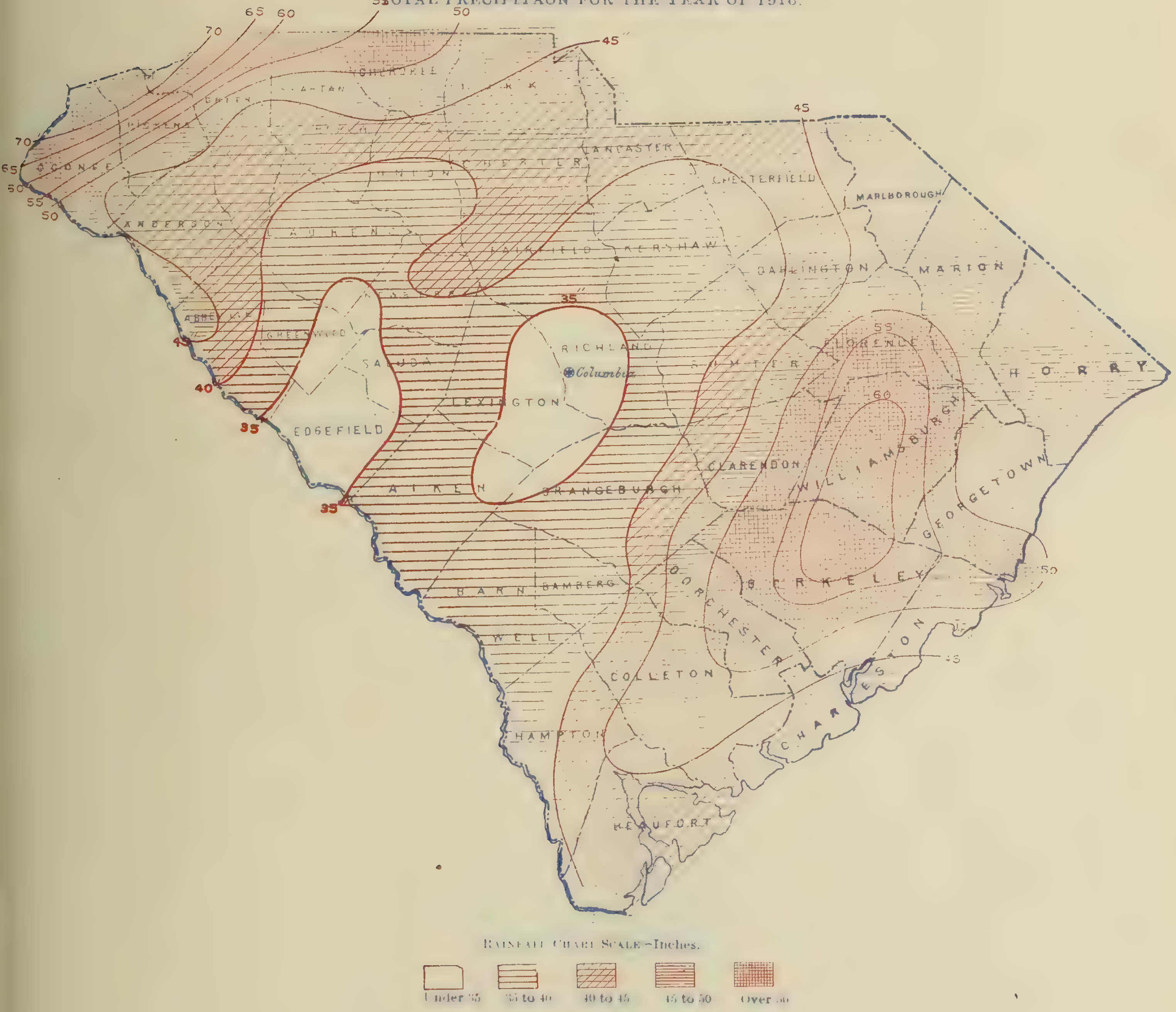
NOVEMBER.—Mean temperature for Greenville, page 84, should be 50.9

NORMAL ANNUAL TEMPERATURE AND PRECIPITATION AND LOCATION OF OBSERVING STATIONS.

(Black lines, temperature; red shading, precipitation.)



TOTAL PRECIPITAON FOR THE YEAR OF 1916.



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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

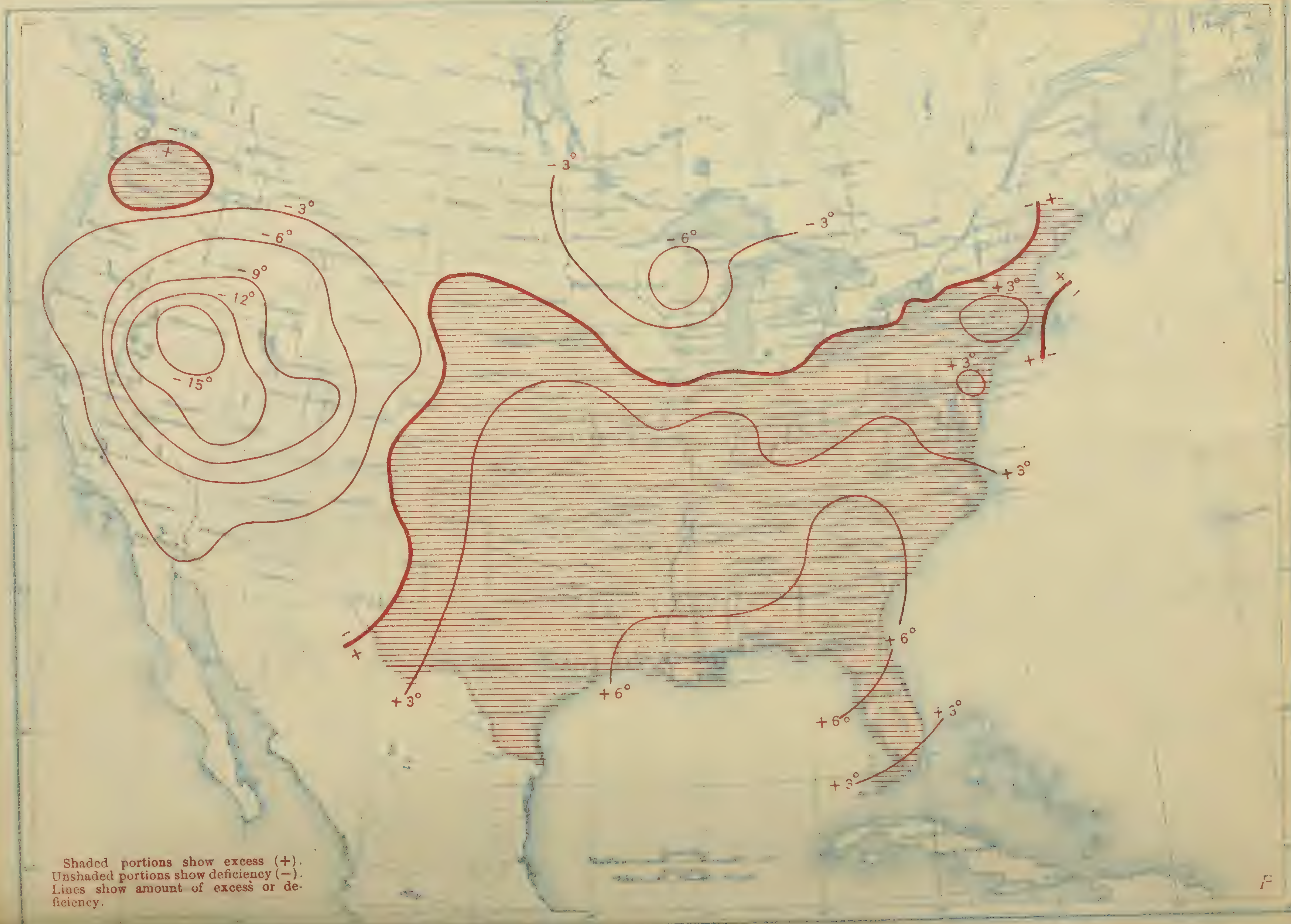
SOUTH CAROLINA SECTION

JANUARY, 1917

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
March 6, 1917.

Departure of the Mean Temperature from the Normal, January, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

VOL. XX. COLUMBIA, S. C., JANUARY, 1917. No. 1.

GENERAL SUMMARY.

Thermal conditions were considerably above the seasonal average, but there was an excess of cloudiness, and the maximum temperatures ranged lower than usual, while the minimum temperatures averaged somewhat higher than normal. Vegetation under these influences had not advanced abnormally and was generally in much more favorable condition than at the same time last year. The weather was somewhat too wet generally for satisfactory progress in winter plowing. Wheat had wintered well thus far and was in fair to good condition—excellent stands in some sections, with a few poor fields. Oats were in generally good condition, although there had been some damage by winter-killing Truck was good to excellent in the extreme lower counties and poor to good northward over the central districts. Preparation of tobacco beds was well advanced.

The month closed with promise of the most severe cold wave in this region since 1899.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.11 inches. The highest pressure in the region covered by reports was 30.62 inches at Charlotte, N. C., on the 15th, and in the Section proper, 30.61 inches at Columbia on the 16th; lowest pressure, 29.48 inches at Wilmington, N. C., on the 11th, and in the Section proper, 29.54 inches at Columbia on the 10th.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 43 stations, was 49.7°, or 4.0° above the established normal. The highest temperature was 79° at Anderson, Anderson Co.; Orangeburg, Orangeburg Co.; St. George, Dorchester Co.; Walterboro, Colleton Co., and Yemassee, Hampton Co., on the 30th, and at Florence No. 1, Florence Co., on the 31st. The warmest period of the month was during the last two days, but a few stations reported maximum temperatures on the 3d 4th, and 21st. The lowest temperature was 9° at Mountain Rest, Oconee Co., on the 12th. The coldest period of the month was on the 12th and 13th at practically all stations.

HUMIDITY.

The mean relative humidity, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m. 86%; 8 p.m., 75%. The highest percentages occurred over the lower coast counties, and the lowest, over the northern interior.

PRECIPITATION.

The average for the Section, 55 stations reporting, was 3.74 inches, or 0.36 inch above the established normal. Except a short dry period between the 7th and 12th, the precipitation extended throughout the month. In a broad belt of the upper coastal plain and in the extreme northwestern counties the rainfall was above normal and ranged from 4 to over 5 inches, while on the lower coastal plain and in the north-central districts, the measurements were less than 3 inches and ranged downward to less than 2 inches. The greatest local monthly amount was 5.89 inches at Mountain Rest, Oconee Co.; least amount, 1.90 inches at Georgetown, Georgetown Co. The greatest amount during any 24 hours was 2.88 inches at Oaks, Georgetown Co., on the 24th. The average number of rainy days was 50% above normal.

Snow flurries occurred over the northern and eastern counties on the 11th, 12th, and 15th, and sleet occurred at a number of stations in the same district on the 11th, 14th, 15th, and 16th.

WIND.

The prevailing winds were from the southwest. The average hourly velocity, determined from 7 anemometer records, was 8.9 miles. The highest average in the region covered by reports was 12.2 miles per hour at Savannah, Ga.; lowest average, 5.7 miles per hour at Augusta Ga. The average hourly velocities in the Section proper were 9.6 miles at Charleston and 7.8 miles at Columbia. The highest velocity for any 5-minute period was 50 miles per hour from the northwest on the 11th, at Savannah, Ga.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 145.5 hours, or 46% of the possible amount. The average number of clear days was 10; partly cloudy, 7, and cloudy, 14, as against normals of 13, 7, and 11 days, respectively. But three previous Januarys have had a number of cloudy days in excess of that of 1917.

RIVER CONDITIONS.

Excepting a moderate flood stage in the upper Santee River between the 26th and 29th, incident to moderately heavy rains along the lower Piedmont about the 25th, the rivers of the Section were comparatively low throughout the month.

MISCELLANEOUS PHENOMENA.

Fog, Dense (dates).—Beaufort, 15, 16, 17, 31; Blairs, 4, 23, 25; Calhoun Falls, 4, 21, 29; Camden, 26; Catawba, 2, 4, 25, 30; Centenary, 30, 31; Charleston, 4, 5, 24; Clemson College, 2; Columbia, 26; Conway, 31; Darlington, 21, 30, 31; Florence No. 2, 31; Gaston Shoals, 2, 4, 30; Georgetown, 31; Kingstree, 31; Liberty, 2, 3, 4, 21, 24, 25, 30, 31; Moneta, 4; Mountain Rest, 4, 13, 15, 16, 21, 24; Pelzer, 4, 30, 31; Rimini, 7, 26, 27; Trenton, 15; Walhalla, 4, 21.

Halos (dates).—*Lunar:* Charleston, 3, 4; Columbia, 4; Mayesville (near), 5; Santuck, 5. *Solar:* Walhalla, 10.

Thunderstorms (dates).—Bowman, 24; Centenary, 24; Clemson College, 31; Greenville, 31; Summerville, 25.

ERRATA—DECEMBER, 1916.

Little Mountain. Greatest daily range, page 92, should be 33.

MISCELLANEOUS DATA FOR JANUARY, 1917.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.09	42.2	69	8	2.58	0.53	9.0	nw.	84	66	45
Augusta, Ga.....	30.11	52.3	77	23	4.59	1.92	5.7	nw.	89	75	42
Charleston, S. C...	30.12	54.6	76	28	2.69	0.92	9.6	sw.	88	84	56
Charlotte, N. C...	30.09	46.1	72	19	3.08	0.59	10.2	sw.	84	74	39
Columbia, S. C....	30.11	50.4	76	21	2.90	1.55	7.8	sw.	82	68	39
Savannah, Ga.....	30.13	56.8	78	27	3.68	1.08	12.2	sw.	87	76	47
Wilmington, N. C.	30.11	51.2	76	22	3.09	1.27	7.5	w.	85	83	52
Means and extremes......	30.11	50.5	78	8	3.23	1.92	8.9	sw.	86	75	46

Climatological Data for January, 1917.

Stations	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	28	52.0	+4.3	76	† 3	22	12	38	3.84	+0.99	0.95	0.0	13	9	11	11	w.	R. B. Vance.
Beaufort	Beaufort	21	30	^{c}54.5	+3.8	^{c}76	†26	^{c}25	12	^{c}39	2.51	−0.34	1.10	0.0	4	14	10	7	sw.	Miss Lillian H. Rice.
Blackville	Barnwell	296	28	52.8	+5.7	77	4	18	12	46	2.80	−0.10	0.90	0.0	12	12	6	13	......	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	16	53.0	+5.0	78	3	19	12	43	5.72	+2.60	2.05	0.0	11	13	6	12	sw.	B. O. Evans.
Centenary	Marion	43	2	^{a}51.7	....	^{a}77	†21	^{a}23	12	^{a}40	3.78	....	1.60	T.	13	6	11	14	sw.	D. L. Carmichael.
Charleston	Charleston	48	46	54.6	+5.3	76	30	28	12	26	2.69	−0.76	0.92	0.0	11	11	7	1	sw.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	27	47.6	+4.3	73	31	18	12	30	3.08	+0.26	1.25	T.	16	....	....	....	......	J. H. Powe.
Conway	Horry	25	31	51.0	+2.9	77	31	22	12	35	5.42	+2.01	1.70	0.0	11	...	....	....	......	Paul Quattlebaum.
Darlington	Darlington	175	22	^{a}49.2	+3.6	76	30	^{a}19	12	^{a}51	2.38	−0.12	0.80	T.	11	10	2	19	.....	D. C. McCall.
Dillon	Dillon	100	14	....	....	.....	.....	.....	.....	....	......	....	......	......	....	....	....	....	......	A. E. Rowell.
Edisto ‡‡	Bamberg	143	29	....	....	.....	.....	.....	.....	....	4.94	+1.87	1.74	0.0	12	....	....	....	......	Nathan Jenkins.
Effingham	Florence	106	24	....	....	.....	.....	.....	.....	....	4.37	+0.97	1.78	0.0	13	...	...	....	......	H. B. McCall.
Ferguson	Orangeburg	63	31	50.5	+3.2	77	31	26	†12	43	4.14	+0.80	1.70	0.0	8	...	....	....	......	Joseph P. Simons.
Florence 1	Florence	136	28	49.1	+4.1	79	31	20	12	40	4.36	+1.62	1.78	0.0	11	10	4	17	sw.	H. K. Gilbert.
Florence 2	do	136	2	....	....	.....	.....	.....	.....	....	3.95	+1.21	1.42	T.	11	14	9	8	nw.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	22	53.0	+4.6	78	† 4	22	12	37	1.90	−1.45	0.75	0.0	4	14	12	5	n.	A. P. Hazard.
Kingstree	Williamsburg	54	28	50.6	+3.1	76	21	23	†12	40	3.66	+0.69	1.68	0.0	11	10	2	19	sw.	A. O. Matthews.
Mayesville (near)	Sumter	70	2	....	....	.....	.....	^{b}20	12	....	......	....	......	......	....	....	....	....	......	Lewis E. Warren.
Oaks ††	Georgetown	......	2	52.1	....	77	31	22	12	40	5.05	....	2.88	T.	14	7	14	10	w.	O. M. Mitchell.
Orangeburg	Orangeburg	264	1	51.2	....	79	30	22	†12	38	4.96	....	2.30	0.0	8	8	2	21	......	U. S. Fisheries Station.
Pinopolis **	Berkeley	54	67	^{c}52.5	+5.2	70	† 3	27	12	....	2.25	−0.85	0.90	0.0	6	12	6	13	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	3	....	....	.....	.....	.....	.....	....	4.08	....	1.21	0.0	12	....	....	....	......	William B. Wolfe.
St. George	Dorchester	109	28	54.5	+7.6	79	30	24	12	29	2.57	−0.10	0.64	0.0	15	14	1	16	sw.	R. S. Weeks.
St. Matthews	Calhoun	62	21	50.8	+4.8	77	31	19	12	38	4.43	+1.37	1.55	0.0	12	10	4	17	n.	J. S. Wannamaker.
Society Hill	Darlington	192	25	47.8	+3.9	75	31	19	12	32	3.54	+0.63	1.05	T.	17	10	5	16	nw.	A. H. Rogers.
Summerville	Dorchester	75	19	54.3	+5.3	77	† 3	22	12	37	2.97	−0.13	0.71	0.0	18	7	19	5	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	14	....	....	79	30	.....	.....	....	......	....	......	......	....	....	....	....	......	J. N. Frank.
Whitehall (near)	do	4	....	....	....	.....	.....	.....	.....	....	......	....	......	......	....	....	....	....	......	Special Rice Exp. Station.
Yemassee	Hampton	24	21	53.2	+5.3	79	30	19	12	38	2.74	−0.05	0.62	0.0	10	10	3	18	nw.	J. G. Hutson.
Division means and	extremes	.....	....	51.7	+4.4	79	†30	18	12	51	3.69	+0.71	2.88	T.	11	11	7	13	sw.	
Western Portion.																				
Aiken	Aiken	527	56	52.1	+5.0	76	30	20	12	40	4.20	+0.60	1.65	0.0	13	12	5	14	sw.	Frank B. McCoy.
Anderson	Anderson	764	21	48.2	+3.5	79	30	16	12	39	3.94	+0.19	0.66	0.0	15	10	2	19	w.	H. H. Russell.
Batesburg	Lexington	656	28	49.0	+3.6	72	† 3	16	12	35	5.80	+2.43	1.55	0.0	12	11	5	15	sw.	E. J. Hite.
Blairs	Fairfield	293	14	....	....	.....	.....	.....	.....	....	2.75	−0.36	0.70	0.0	15	....	....	....	......	J. N. Owens.
Calhoun Falls	Abbeville	508	24	47.8	....	75	30	17	12	34	4.01	+0.66	0.81	T.	15	12	3	16	w.	L. M. Parker.
Camden	Kershaw	222	57	....	....	.....	^{e}26	13	.....	....	3.23	−0.11	1.32	T.	14	9	3	19	sw.	W. C. Brown.
Catawba	York	562	13	....	....	.....	.....	.....	.....	....	2.72	−0.48	0.75	0.0	12	....	....	....	......	James C Faris.
Chappells	Newberry	402	13	....	....	.....	.....	.....	.....	....	3.69	+0.84	0.75	0.0	9	....	....	....	......	J. J. Murran.
Clemson College	Oconee	850	25	46.7	+4.2	69	†30	17	12	34	4.52	−0.03	1.17	0.0	13	6	13	12	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	30	50.4	+5.3	76	30	21	12	29	2.90	−0.39	1.55	0.0	13	10	4	17	sw.	U S. Weather Bureau.
Edgefield	Edgefield	......	3	....	....	.....	.....	.....	.....	....	4.43	....	1.48	0.0	10	....	....	....	......	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	4	....	....	.....	.....	.....	.....	....	3.61	−0.23	0.72	T.	14	....	....	....	......	Harry A. Parshall.
Greenville	Greenville	989	24	44.9	+4.2	77	30	15	12	39	4.48	+0.23	1.04	0.0	18	8	8	15	sw.	J. H. Woodside.
Greenwood	Greenwood	671	28	48.0	+5.2	73	30	18	13	32	3.27	−0.32	0.52	0.0	12	10	0	21	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	16	45.8	+2.7	69	31	16	12	45	3.07	−0.18	1.12	T.	7	6	14	11	sw.	J. Marvin Bowers.
Kershaw	Kershaw	560	1	47.0	....	72	31	17	12	35	3.61	....	1.05	0.0	15	12	0	19	w.	John W. Hamel.
Landrum	Spartanburg	1063	2	45.4	....	73	30	16	12	42	4.06	....	1.06	T.	16	10	12	9	.....	R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	18	46.4	+3.6	72	30	16	12	37	3.30	−0.97	1.20	T.	14	6	14	11	sw.	John T. Boggs.
Little Mountain	Newberry	711	24	49.3	+4.0	75	30	19	12	30	3.18	+0.12	1.25	T.	14	12	2	17	w.	J. M. Sease, M. D.
Meriwether	McCormick	450	14	....	....	.....	.....	.....	.....	....	......	....	......	......	....	....	....	....	......	William S. Middleton.
Monetta	Saluda	400	10	50.4	+2.3	75	30	18	12	38	4.02	+0.78	1.89	0.0	13	7	12	12	sw.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	2	45.5	....	72	29	9	12	45	5.89	....	1.39	T.	15	9	10	12	......	J. H. Brown.
Newberry	Newberry	502	14	48.4	+3.6	70	† 4	18	12	40	3.42	−0.03	1.15	T.	19	8	5	18	sw.	Warren G. Peterson.
Pelzer	Anderson	850	13	....	....	.....	.....	.....	.....	....	4.40	+0.66	1.10	0.0	17	...	....	....	......	Joshua Y. Jones.
Saluda	Saluda	536	16	48.8	+3.4	76	30	17	12	44	4.14	+0.81	1.77	0.0	15	12	4	15	sw.	Mrs. F. V. J. Maxwell
Santuck	Union	512	24	47.8	+4.8	73	30	15	12	45	2.91	−0.55	0.54	T.	15	10	7	14	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	34	45.2	+3.5	74	30	16	12	29	3.59	−0.07	0.77	T.	....	....	....	....	.....	F. P. Robinson.
Trenton	Edgefield	620	28	^{d}47.9	+1.5	^{d}73	30	^{d}18	12	^{d}37	3.95	+0.79	1.21	0.0	11	....	....	...	sw.	Mrs. S. E. Long.
Walhalla	Oconee	1061	14	....	....	.....	.....	.....	.....	....	5.32	+1.13	1.28	0.0	14	7	13	11	sw.	H. W. Brandt.
White Oak	Fairfield	548	1	48.8	+5.2	75	30	16	12	42	3.02	−0.26	1.15	T.	13	12	5	14	sw.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	45.3	+1.8	67	†30	10	12	28	2.02	−1.00	0.47	0.0	8	7	11	13	sw.	W. P. Goodman.
Division means and	extremes	....	....	47.7	+3.6	79	30	9	12	45	3.78	+0.31	1.89	T.	14	9	7	15	sw.	
Section means and	extremes	....	....	49.7	+4.0	79	†30	9	12	51	3.74	+0.36	2.88	T.	12	10	7	14	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.
T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for January, 1917.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ||||	Savannah		.16				.60								.27	.05	.01	.05	T.	.05		.05	.41	.32	.88	.95	.04						3.84
Beaufort	Coast				T.						.08				.40									1.10		.93							2.51
Blackville ||||	Edisto		.17				.08					.08			.07	.40	.05		.12				.50	.20	.20	.90					.03		2.80
Bowman	do	.15				.31	.27				.11			T.		.06	.08	T.		.14	T.			.30	2.05	1.52					.73		5.72
Centenary	Pee Dee	.04		.05		.16	.36					T.			.16	.06	.27	T.	.03	T.		T.	.07	.29	1.60	.43			T.	.26			3.78
Charleston ***	Coast	.02				.42					.06			T.	.43	.02	T.	.01	T.			.01	.06	.68	.06	.92			T.	T.			2.69
Cheraw ||||	Pee Dee	T.	.06	.02	.01		.41						T.		.29	.02	.08	.10		.03	T.	.03	.01	.13	.02	1.25	T.			.32	.30		3.08
Conway ||||	Waccamaw						.30					T.			.95	.40	.15	.04					.06	.30	.90	1.70	.22				.40	T.	5.42
Darlington ||||	Pee Dee		T.		.05	.60	.32						T.		.12		T.	.19		T.			T.	.06	.03	.80	.02		T.	.12	.07		2.38
Dillon	Little Pee Dee																																
Edisto ||||	Edisto		.15				.58									.27	.11				.14	.10	.20	.30	1.04	1.74	.10				.21		4.94
Effingham ||||	Lynches		.05		.07		.64								.45			.29		.06			.10	.21	.28	1.78	.11			.06	.27		4.37
Ferguson ||||	Santee						.72								.17	.15								.15	.32	1.70	.83	.10					4.14
Florence 1 ||||	Pee Dee				.19		.69								.41				.36				.10	.08	.07	1.78	.14		T.	.07	.47		4.36
Florence 2	do	T.		.01		.73						T.			.48	.05			.05		.06		.05	.18	1.42	.35		T.		.57			3.95
Georgetown	Coast					.40												T.						.30	.45	.75							1.90
Kingstree ||||	Black		.09				.50								.20			.10				.17	.13	.32	.27	1.68	.13				.07		3.66
Oaks	do	.05		T.		.37	.08					T.			.38	.21	.05	.08	.02	.03			.10	.24	2.88	.55			.01				5.05
Orangeburg	Edisto		.16				.62								.28	T.				T.			.33	.25	.90	2.30	.12						4.96
Pinopolis	Cooper					.56								.39	.10									.10	.90	.20							2.25
Rimini ||||	Santee		.13				.65									.30		.10		.05		.03	.30	.23	.90	1.21	.11				.07		4.08
St. George ||||	Edisto		.11				.55					.02			.16	.07		.05		.02		.02	.06	.33	.42	.64	.07		.03		.02		2.57
St. Matthews ||||	Santee		.17				.59								.35	.10		.22					.38	.21	.60	1.55	.06			.10	.10		4.43
Society Hill ||||	do		.08		.08	.01	.48						T.		.40	.13	.05	.28			.02		.04	.18	.12	1.05			.02	.28	.30	.02	3.54
Summerville	Ashley	.11	T.	.02	.02	.35	.37				T.	.03		.03	.66	.06	.04	.04	.03	T.		.03	.10	.30	.06	.71			T.	.01			2.97
Walterboro	Ashepoo																									1.45				1.10			
Whitehall (near)	Combahee																																
Yemassee ||||	do		.08				.53					.06			.27	.06	T.	.07						.52	.12	.62	.41						2.74
Western Portion.																																	
Aiken	Edisto	.15				.57								.02	.15	.06	.41	.03	.09				.37	.34	1.65	.15				.21			4.20
Anderson	Savannah	.15	.03	.03	.03	.21									.66	.57	.55		.06			.22	.23	.03	.62				.02	.53			3.94
Batesburg ||||	Edisto		.53		.05		.91								.42		.22	.47		.11		T.		.23	.60	1.55				.24	.47		5.80
Blairs ||||	Broad		.11		.04		.16								.35	.06	.05	.30		.04		.11	.15	.08	.25	.70				.20	.15		2.75
Calhoun Falls ||||	Savannah	.05	.29	.09	.23		.41						T.		.72		.48	.27	.04	.02			.39		.18	.63				.21			4.01
Camden ||||	Wateree		.06				.52						T.		.30	.10	.12	.08				.06	.07	.26	.07	1.32				.19	.08		3.23
Catawba ||||	Catawba	.10													.57		.10	.45			.04	.11	.10	.12	.07	.31				.30	.45		2.72
Chappells ||||	Saluda				.15		.25								.72	T.	.22	.35		T.			.35	T.	.60	.75				.30	T.		3.69
Clemson College	Savannah			.15	.17	.21									1.17	.58	.72		.04			.21	.27		.47				.01	.51	.01		4.52
Columbia ***	Congaree	.03	T.	.05	T.	.37								T.	.15	.04	.33	.02	T.			.01	.17	.01	1.54	.02		T.	T.	.16	T.	T.	2.90
Edgefield ||||	Savannah						.60								.16		.15	.25					.40	.15	.65	1.48				.20	.45		4.43
Gaston Shoals ||||	Broad	.03		.06	.34	.02	.49						T.		.72	.06	.52	.20		T.	T.	T.	.17	T.	T.	.47			.03	.35	.15		3.61
Greenville ||||	Saluda	.08	.02	.08	.18	.05	.26								1.04	.13	.99	.16		.04		.18	.23	T.	.19	.23			.04	.40	.18		4.48
Greenwood ||||	do		.09		T.		.32								.47		.29	.37					.21	.20	.28	.52				.22	.18		3.27
Heath Spring	Wateree											T.		.10	.60		.50		.07				.10		1.12					.58			3.07
Kershaw	Lynches		.09	.03	.28		.46								.30			.30		.05		.04	.12	.15	.10	1.05		.03		.26	.35		3.61
Landrum	Broad	.03		.18	.03	.52	.02					T.			1.06	.55	.41		.02		.02		.21		.25	.03			.03	.67		.03	4.06
Liberty	Savannah	.25	.02	.20	20	.10						T.		T.	1.20	.30	.90		.02		.02	.04	.02		.02	T.						.01	3.30
Little Mountain	Saluda		.07	.05		.35						T.			.40	.20	.18	.03	.06			.04	.15	.09	1.25	.06				.25			3.18
Meriwether	Savannah																																
Monetta	Edisto	.09	T.	T.	T.	.50								.01	.26	.08	.32	.02	.05				.34	.13	1.89	.08				.25			4.02
Mountain Rest	Savannah	.19	T.	.60	.03	.67						T.		.03	1.39	1.03	.44	.01	T		.04	.25	.31		.27			T.	.03	.60		T.	5.89
Newberry	Saluda	.02	.04	.08	T.	.20						T.		.02	.35	.18	.43	.08	.05	.02	.01	.05	.25	.05	1.15	.06			.01	.37			3.42
Pelzer ||||	do	.06	.04	.02	.14	.18	.22								.78	.10	1.10	.10			T.	.30	.18	.04	.38	.30			T	.22	.24		4.40
Saluda	do	.12	.05	.05	.02	.35									.35	.05	.38	.06	.07				.30	.14	1.77	.08				.35			4.14
Santuck	Broad	.10	T.	.28	.03	.27						T.		.01	.54	.17	.22		.03		T.	.09	.22	.04	.40	.01				.50			2.91
Spartanburg ||||	do	.03	.02	.05	.03	.12	.30								.77	*	*	.99		.03	T.	.08	.22	T.	.18	.25				.32	.20		3.59
Trenton	Edisto	.09		T.		.56								T.	.34	.25	.28		.06		T.		.35	.15	1.21	.10				.56			3.95
Walhalla	Savannah	.22		.27	.07	.44								T.	1.28	1.04	.50		.06		.01	.18	.27		.38			T.	.02	.58		T	5.32
White Oak	Broad	.07		.07		.35						T.		.03	.20	.07	.34	.02	.08				.20		1.15				.01	.43			3.02
Winthrop College	Catawba	.10				.30									.47		.10		.20			.10			.43					.32			2.02

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	40.1	73	5	2.80	8				
1888	46.2	76	15	2.91	10				nw.
1889	44.9	78	15	5.81	10				ne.
1890	54.1	81	17	1.16	6				sw.
1891	46.2	75	21	3.56					w.
1892	42.7	72	16	6.75					nw.
1893	38.0	71	3	2.52	6				
1894	47.9	77	19	3.15	10	10	9	12	ne.
1895	44.2	80	5	7.31	13	9	9	13	sw.
1896	43.8	72	9	3.02	6	12	10	9	ne.
1897	42.2	76	3	2.29	7	13	8	10	nw
1898	49.2	82	8	1.80	6	12	10	9	sw.
1899	44.4	78	17	4.72	11	10	7	14	n.
1900	44.0	75	3	2.43	8	16	6	9	nw.
1901	45.1	81	18	3.55	9	14	7	10	nw.
1902	42.4	80	11	2.65	5	15	7	9	sw.
1903	43.7	77	13	3.85	11	10	6	15	w.
1904	40.2	74	8	2.97	8	15	5	11	n.
1905	41.4	77	8	2.00	7	15	6	10	w.
1906	47.0	83	12	5.85	11	12	4	15	ne.
1907	53.4	89	18	0.71	4	15	9	7	sw.
1908	44.2	76	17	4.86	9	13	8	10	w.
1909	49.6	83	9	1.54	5	12	9	10	ne.
1910	45.5	80	11	2.98	7	14	10	7	w.
1911	49.8	82	16	1.58	5	14	8	9	sw.
1912	40.2	79	6	4.92	9	13	4	14	w.
1913	53.8	82	23	3.21	8	10	6	15	sw.
1914	46.7	81	18	2.66	5	16	9	6	w.
1915	45.1	74	19	6.31	9	12	6	13	ne.
1916	52.3	81	10	1.76	9	10	9	12	ne.
1917	49.7	79	9	3.71	12	10	7	14	sw.
Period	45.7	89	3	3.38	8	13	7	11	sw.

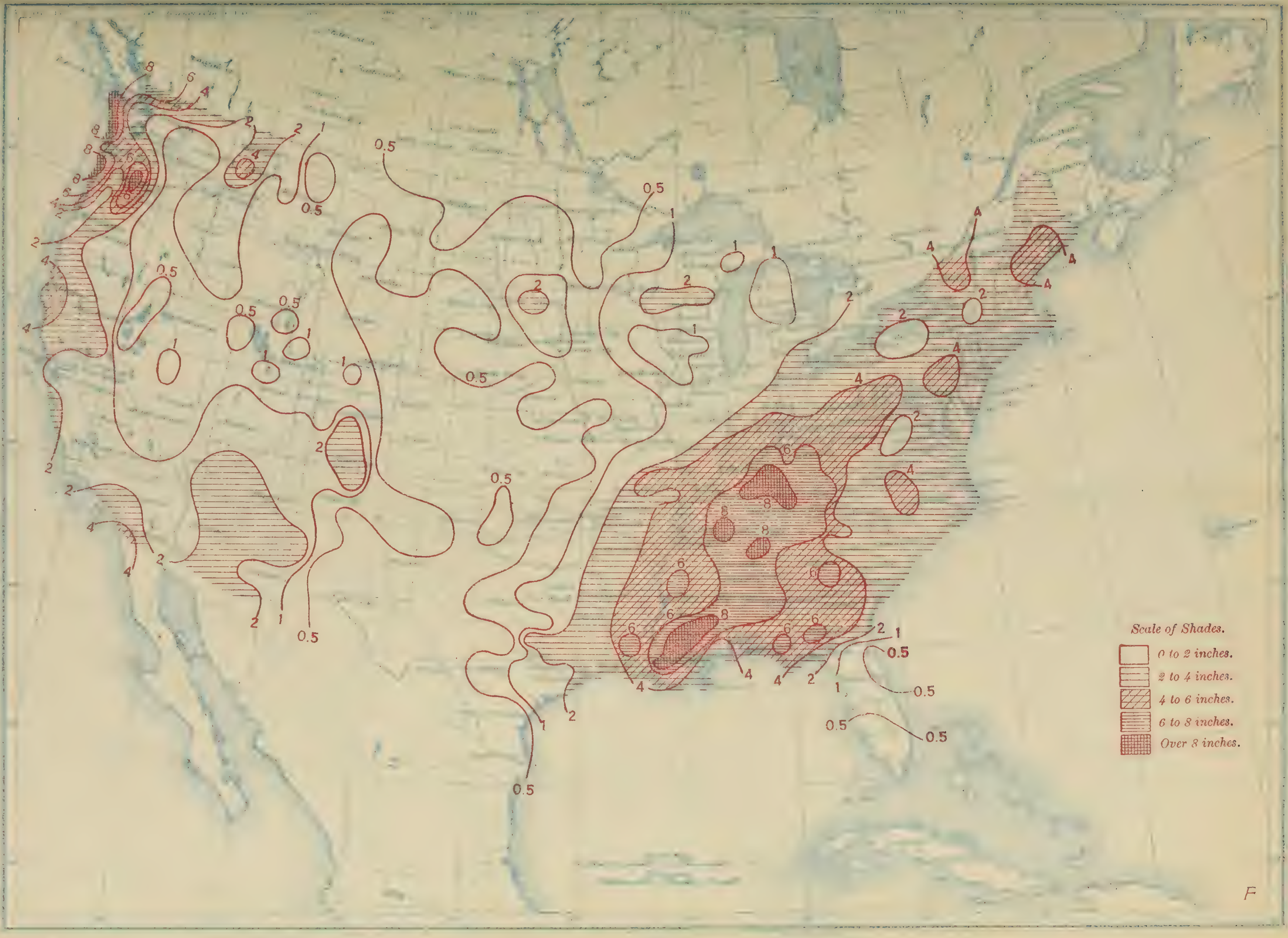
Daily Temperatures for January, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	59	69	76	76	72	61	66	68	76	64	48	41	62	57	44	38	52	64	56	60	75	62	56	61	60	58	64	66	70	77	75	62.4
	Minimum	32	38	51	56	60	41	33	36	44	46	39	22	24	36	41	31	32	38	39	40	45	55	51	49	48	35	31	33	55	61	49	41.6
Beaufort	Maximum	60	71	74	72	67	61	68	69	70	67	58	40	59	63	40	48	71	61	59	71	63	55	61	56	76	....	....	....	66	76	72	c 63.4
	Minimum	38	53	54	57	56	41	41	45	48	47	32	25	32	54	33	36	42	46	43	52	52	50	48	37	58	....	....	....	46	58	53	c 45.6
Blackville §	Maximum	68	69	75	77	72	68	69	70	69	60	49	50	60	58	39	60	61	59	57	69	76	75	61	58	61	65	67	75	77	79	75	65.4
	Minimum	29	49	50	54	51	39	31	30	44	42	36	18	30	40	35	25	35	37	36	44	53	50	49	45	49	30	26	29	50	54	49	40.1
Bowman	Maximum	75	76	78	76	60	66	68	70	72	70	60	42	61	60	55	40	55	50	58	60	74	70	69	68	66	63	62	65	70	72	75	64.7
	Minimum	39	40	44	45	45	40	27	35	37	40	35	19	30	50	30	31	34	36	38	43	45	58	60	57	58	30	28	45	50	55	60	41.4
Centenary	Maximum	57	65	76	71	75	62	68	68	70	70	63	39	52	65	54	37	52	66	61	57	77	71	62	52	53	59	62	....	69	73	77	a 62.7
	Minimum	27	49	48	48	56	48	32	42	38	44	37	23	27	47	30	29	34	40	36	42	41	61	44	42	46	30	30	....	47	51	53	a 40.7
Charleston	Maximum	65	67	72	70	68	61	67	66	68	61	57	39	62	68	55	42	49	70	59	62	70	65	54	62	62	57	58	63	69	76	73	62.5
	Minimum	42	53	52	59	57	46	44	49	49	48	32	28	36	55	34	34	38	45	46	46	53	53	48	47	46	39	42	55	55	58	56	46.6
Cheraw §§	Maximum	49	54	70	68	68	59	64	64	68	65	44	34	52	48	30	33	46	63	51	53	68	63	42	43	46	56	60	68	66	72	73	56.1
	Minimum	24	45	46	47	57	44	30	42	40	43	36	18	26	36	30	28	32	40	34	37	37	58	42	38	41	28	30	44	51	53	52	39.0
Conway §§	Maximum	58	65	76	75	74	63	67	65	70	71	51	40	65	66	38	44	55	76	57	58	63	65	50	56	51	55	60	66	66	73	77	61.8
	Minimum	26	34	49	49	53	48	32	43	40	46	43	22	26	31	31	30	35	40	40	42	42	52	50	42	43	31	31	39	49	55	54	40.3
Darlington §§	Maximum	53	59	74	69	73	63	67	68	70	70	50	38	62	58	36	35	50	64	55	56	74	64	48	46	49	58	62	71	67	76	76	60.0
	Minimum	....	31	46	46	55	45	31	40	43	42	38	19	25	31	35	28	31	35	33	35	39	50	48	39	40	27	27	37	48	54	50	a 38.3
Dillon	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ferguson §§	Maximum	55	60	77	73	72	62	67	68	70	65	50	55	65	63	41	42	53	53	58	62	70	75	65	55	58	55	57	65	68	68	77	62.1
	Minimum	29	29	34	45	52	43	34	38	39	41	40	26	26	34	40	30	32	36	38	40	42	44	48	50	45	46	32	33	42	46	52	38.9
Florence 1 §§	Maximum	53	60	75	64	72	59	68	71	70	68	46	39	61	61	35	36	49	61	56	58	73	72	51	46	45	50	51	72	70	75	79	58.9
	Minimum	29	34	47	51	53	46	34	38	41	44	39	20	21	30	35	32	33	36	37	38	42	51	51	40	40	30	32	33	49	54	54	39.3
Georgetown	Maximum	62	65	75	78	70	64	70	66	68	72	53	42	55	70	41	40	68	60	62	60	60	74	67	66	53	57	67	65	70	78	78	63.7
	Minimum	28	40	51	54	54	49	34	42	46	49	42	22	27	43	39	31	33	40	40	45	44	57	41	45	43	32	32	44	52	52	53	42.2
Kingstree §§	Maximum	52	63	76	70	74	61	67	68	70	69	51	40	65	64	42	42	50	65	61	59	76	65	55	54	53	57	64	69	66	75	73	61.8
	Minimum	28	28	49	51	52	45	31	37	41	46	41	23	23	24	39	32	32	36	39	41	45	52	51	45	44	30	30	32	52	57	50	39.5
Mayesville (near)	Maximum	55	59	75	71	73	61	62	68	69	68	61	39	48	63	54	36	49	66	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	25	49	46	49	56	40	33	39	40	44	37	20	26	42	34	29	35	40	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Oaks	Maximum	58	65	75	72	74	64	65	67	68	68	55	42	62	65	55	38	55	64	60	55	75	66	62	55	59	56	60	70	65	75	77	62.8
	Minimum	27	48	48	49	55	44	30	41	38	38	37	22	28	55	36	31	35	40	40	44	43	43	47	43	47	32	35	47	48	58	54	41.4
Orangeburg	Maximum	56	60	76	75	74	61	63	68	69	62	47	38	60	59	40	37	50	61	58	46	75	63	56	53	55	58	66	70	67	79	74	60.5
	Minimum	29	33	45	51	51	41	31	33	38	41	38	22	22	32	37	30	31	37	38	38	39	56	51	44	44	32	30	31	51	56	41	41.9
St. George §§	Maximum	61	70	77	77	73	62	68	69	76	62	49	42	64	63	42	38	51	64	62	59	76	64	56	59	58	59	67	67	71	79	76	63.3
	Minimum	32	52	53	57	58	45	35	42	47	46	41	24	37	59	42	34	37	44	43	44	53	60	52	44	52	33	34	53	54	59	51	45.7
St. Matthews §§	Maximum	55	60	76	74	71	60	67	68	69	65	50	37	60	59	39	57	50	63	60	60	74	63	55	52	54	58	65	72	64	76	77	61.6
	Minimum	28	49	47	53	57	39	33	39	43	42	37	19	22	34	36	29	31	36	37	39	47	57	50	43	42	31	29	35	55	57	48	40.1
Society Hill §§	Maximum	52	58	72	70	71	60	66	65	68	68	49	35	60	52	32	35	51	64	57	54	70	63	46	46	48	57	60	68	66	72	75	58.4
	Minimum	24	33	41	49	56	44	32	34	37	40	36	19	23	32	32	28	31	35	32	36	41	49	45	39	39	29	28	37	48	52	50	37.1
Summerville	Maximum	64	67	77	74	71	63	67	68	71	65	57	41	62	65	59	40	48	69	62	59	75	75	64	60	63	59	65	69	72	77	77	64.7
	Minimum	31	53	47	54	56	44	34	41	44	43	41	22	30	54	39	32	36	43	42	44	51	61	51	47	48	32	32	47	54	57	51	43.9
Walterboro	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	65	60	68	72	77	79	76	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	45	36	29	53	62	57	46	....
Yemassee §§	Maximum	66	73	78	76	73	64	68	70	72	66	49	44	64	66	50	39	49	72	61	65	78	67	55	62	60	60	66	71	73	79	75	64.9
	Minimum	29	54	47	53	55	41	30	40	46	42	40	19	34	34	45	31	35	36	41	35	40	51	49	48	52	32	29	49	49	55	46	41.5
Western Portion.																																	
Aiken	Maximum	50	63	76	73	71	61	66	68	68	66	60	39	47	57	52	37	45	57	57	59	73	71	61	61	59	58	63	73	68	76	75	61.6
	Minimum	35	49	53	57	55	37	38	41	44	42	35	20	31	42	32	29	35	42	35	43	52	56	48	45	46	28	36	51	55	57	52	42.6
Anderson	Maximum	49	57	67	73	65	66	59	65	67	71	55	42	36	53	53	36	54	62	53	55	68	68	58	50	55	60	61	72	74	79	66	59.6
	Minimum	30	48	47	53	48	33	35	37	40	38	24	16	24	29	27	28	33	40	28	36	45	46	37	39	38	28	30	42	52	52	48	36.8
Batesburg §§	Maximum	55	59	72	72	66	61	68	65	66	61	44	36	52	51	36	35	47	58	54	56	71	58	60	47	50	55	62	70	64	75	62	57.7
	Minimum	36	38	47	56	58	39	40	43	45	46	37	16	24	33	33	27	31	36	35	38	47	56	47	42	42	31	33	35	51	57	51	40.4
Calhoun Falls	Maximum	51	58	69	71	65	64	68	66	65	66	41	41	39	60	34	37	50	58	51	56	73	56	57	49	56	57	62	68	68	75	70	58.1
	Minimum	36	36	50	47	54	37	33	34	37	42	34	17	18	33	33	32	34	36	30	31	42	54	41	41	44	28	28	27	45	57	47	37.4
Camden §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	31	47	60	62	60	51	32	48	49	45	36	27	26	42	36	32	36	37	40	42	36	....	....	....	....	....	29	27	46	60	52	e 41.9
Clemson College	Maximum	45	44	55	64	64	60	60	60	66	63	60	35	37	50	49	40	48	58	51	54	54	61	55	53	53	53	51	62	69	69	67	55.4
	Minimum	30	31	40	44	57	37	31	34	42	42	33	17	24	34	33	33	38	44	30	37	47	52	37	42	46	28	28	42	54	48	44	38.0
Columbia	Maximum	54	56	72	73	68	60	65	67	67	64	54	36	43	58	48	36	46	62	54	56	72	64	57	45	52	56	61	70	65	76	72	59.0
	Minimum	33	46	51	57	53	40	36	44	46	46	27	21	30	43	29	30	35	43	36	44	51	51	43	41	37	30	35	51	56	59	53	41.8
Greenville §§	Maximum	49	59	65	65	62	62	68	66	68	68	43	35	38	55	33	37	49	62	48	57	62	55	52	46	52	58	56	69	73	77	54	56.2
	Minimum	27	31	36	50	53	39	29	32	34	35	31	15	18	29	30	29	32	37	27	29	39	42	35	38	39	24	26	30	37	45	44	33.6
Greenwood §§	Maximum	51	60	68	70	66	59	63	65	64	64	64	38	42	51	33	37	49	58	48	61	68	57	53	48	54	55	59	67	64	73	65	57.2
	Minimum	31	35	45	59	55	36	36	38	42	38	38	38	18	31	32	28	31	34	33	34	36	54	44	43	42	30	30	30	47	54	62	38.8
Heath Spring	Maximum	46	61	62	62	62	61	62	62	62	62	59	62	62	49	46	43	48	49	59	50	59	58	57	50	48	51	55	55	65	65	69	56.8
	Minimum	39	62	30	30	30	40	32	40	41	44	35	16	17	26	26	20	32	32	31	31	41	55	41	38	41	26	35	33	44	44	57	34.7
Kershaw §§	Maximum	50	59	71	66	70	62	64	67	63	66	45	35	55	50	32	36	51	65	52	55	70	59	47	49	55	57	61	70	67	60	72	57.5
	Minimum	27	33	43	50	53	38	31	38	38	43	34	17	18	30	32	26	30	34	30	30	41	48	43	39	39	27	27	38	45	54	48	36.4
Landrum	Maximum	50	50	63	61	61	60	64	62	69	65	58	33	32	51	45	37	51	60	55	55	52	58	55	43	47	55	55	67	70	73	67	55.6
	Minimum	25	38	43	46	55	40	30	43	35	32	25	16	22	30	29	31	36	42	30	32	37	40	34	36	40	23	25	40	52	43	42	35.2
Liberty	Maximum	49	49	64	65	63	60	60	63	65	66	56	35	34	53	45	37	49	58	48	55	54	61	53	46	52	56	54	65	71	72	62	55.5
	Minimum	30	32	47	50	54	35	32	35	48	39	29	16	26	32	31	31	37	46	28	35	45	52	38	39	40	29	27	41	35	51	45	37.3
Little Mountain	Maximum	52	54	69	70	66	59	65	66	65	65	55	35	40	50	48	35	43	59	55	50	70	67	67	50	50	55	60	65	70	75	74	58.2
	Minimum	35	45	51	56	54	37	38	40	45	45	35	19	28	37	28	29	34	40	33	40	49	46	45	40	35	30	37	40	50	57	54	40.4
Meriwether	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Monetta	Maximum	49	57	72	73	69	60	65	65	66	62	58	37	43	56	51	35	45	58	55	56	72	70	62	54	56	56	61	70	65	75	70	59.5
	Minimum	33	48	49	53	55	38	36	40	41	41	35	18	29	40	29	29	34	42	34	42	49	55	47	43	44	30	32	50	56	59	50	41.3
Mountain Rest	Maximum	57	57	65	66	61	60	65	63	64	66	51	31	33	51	43	36	52	60	48	56	55	59	50	50	50	56	53	66	72	71	63	55.9
	Minimum	28	35	47	48	53	30	29	33	35	36	21	9	23	32	30	30	35	40	26	32	43	48	31	42	39	23	28	38	52	46	46	35.1
Newberry	Maximum	49	54	69	70	68	59	65	65	65	66	56	35	40	50	49	35	44	60	56	57	70	66	54	49	54	56	61	69	66	67	69	57.8
	Minimum	28	46	50	53	56	34	31	35	41	42	32	18	28	37	28	30	34	40	31	40	47	51	42	41	44	28	29	40	54	52	50	39.1
Saluda	Maximum	56	56	72	74	69	62	65	66	66	63	57	38	41	45	51	35	45	60	56	67	72	48	62	52	58	58	61	70	65	76	70	59.2
	Minimum	25	46	43	48	56	34	28	31	37	42	32	17	27	38	30	28	34	41	30	39	50	55	44	42	44	25	26	45	54	58	43	38.4
Santuck	Maximum	49	53	69	67	68	58	63	64	65	65	57	34	38	54	47	35	44	64	54	53	65	65	52	47	58	54	65	68	67	73	70	57.6
	Minimum	28	42	49	51	55	36	36	38	43	41	29	15	26	35	27	29	33	40	30	36	43	49	41	40	38	26	23	41	58	53	49	38.1
Spartanburg §§	Maximum	47	58	64	66	64	57	60	64	65	65	38	35	37	53	34	36	47	63	51	54	63	56	49	45	48	55	58	68	70	74	66	55.5
	Minimum	32	34	35	51	55	37	34	35	37	40	32	16	17	28	30	26	33	36	34	35	39	41	39	38	38	27	27	29	43	47	44	35.1
Trenton	Maximum	48	59	71	72	68	62	....	....	....	....	55	38	42	55	57	36	44	57	55	56	71	66	64	55	56	55	61	69	63	73	67	d 54.6
	Minimum	34	44	52	56	55	37	....	....	....	....	32	18	29	40	28	28	33	41	33	42	50	50	47	43	44	31	33	46	55	57	53	d 41.2
White Oak	Maximum	50	54	69	68	68	59	62	64	65	66	58	35	41	50	54	35	44	62	56	53	70	70	56	46	51	55	60	67	66	75	73	58.1
	Minimum	30	43	49	45	55	37	38	42	46	43	31	16	26	35	27	28	34	40	32	39	46	55	42	40	38	29	30	44	54	56	53	39.5
Winthrop College	Maximum	47	49	59	62	62	56	54	62	58	58	58	30	35	48	47	33	42	53	53	48	56	57	53	44	43	48	53	60	64	67	67	52.5
	Minimum	30	40	48	57	55	36	38	39	39	40	30	10	26	33	25	29	32	42	30	35	40	52	41	39	41	29	30	42	54	52	48	38.1

Reference letters (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, January, 1917.



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APR 14 1917

CLIMATOLOGICAL DATA

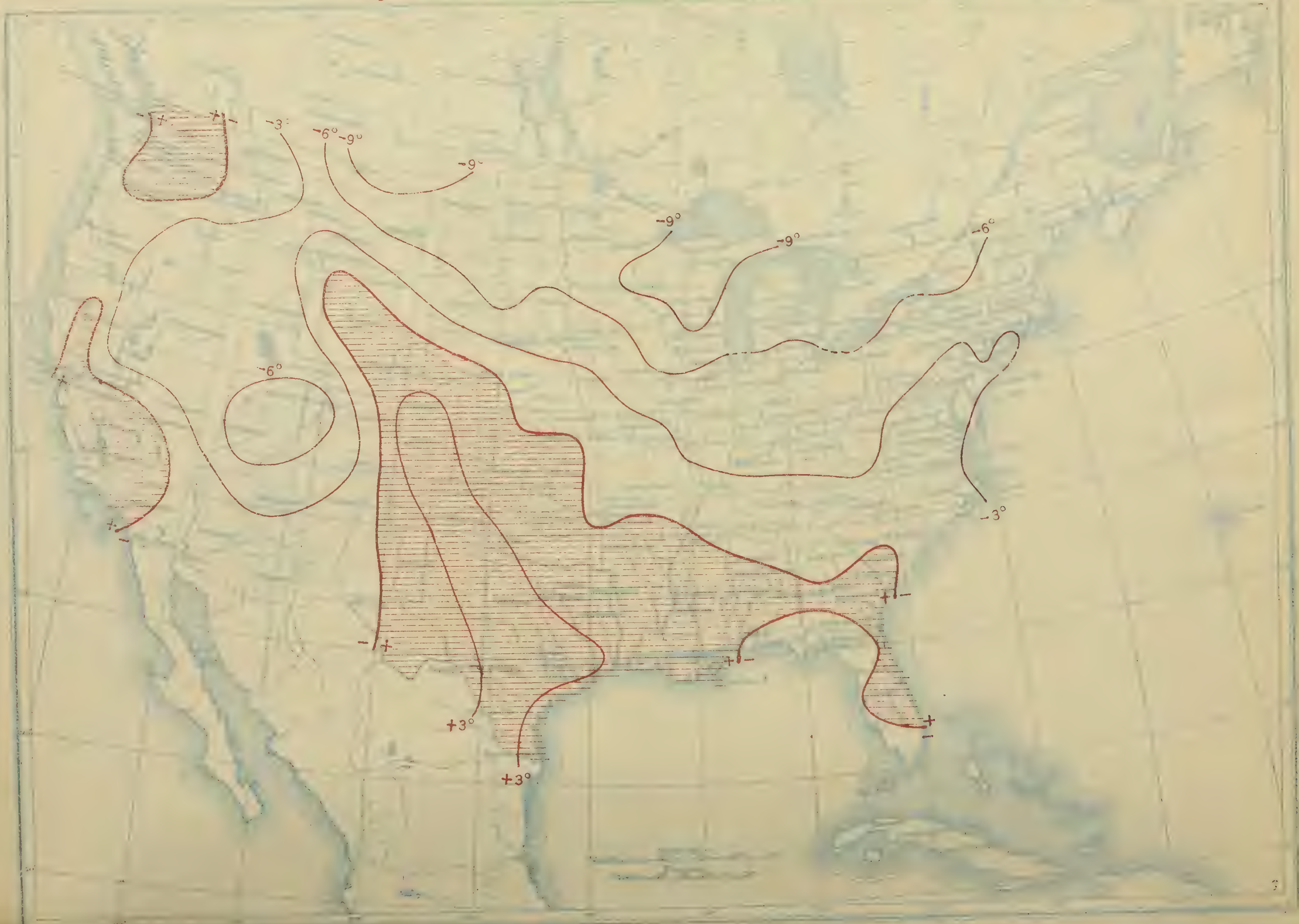
SOUTH CAROLINA SECTION

FEBRUARY, 1917

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
April 7, 1917.

Departure of the Mean Temperature from the Normal, February, 1917.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN. Meteorologist.

Vol. XX. Columbia, S. C., February, 1917. No. 2.

GENERAL SUMMARY.

While the extreme cold of the first part of the month was more than overcome by the unseasonably warm weather of the last decade, the lowest temperatures since February, 1899, were recorded. Unusually severe cold waves practically ruined all winter and early spring truck and early tobacco plants during the period, 2d to 6th, when the daily mean temperatures ranged 9 to 26 degrees below normal, and between the 9th and 13th, when the daily means ranged from 5 to 12 degrees below normal. Oats in large areas of the upper counties were obliterated, but the crop in the central counties revived to a considerable extent under the warm weather of the last decade. Wheat, rye, and fruit suffered little, if any, material injury. Vegetation quickened rapidly toward the close of the month, and shrubbery was leafing freely, peach buds were swelling, and plum trees were in bloom. The precipitation was fairly well distributed and was ample for all needs. The showery, murky weather up to the 25th retarded spring land preparation, but at the close of the month plowing for gardens and general truck was being pushed everywhere.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section was 30.11 inches. The highest pressure in the region covered by reports was 30.59 inches at Columbia, S. C., on the 13th; lowest pressure, 29.44 inches at Charlotte, N. C., on the 4th, and in the Section proper, 29.54 inches at Columbia, S. C., on the 15th.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 44 stations, was 47.3°, or 0.4° above the established normal. The highest temperature was 87° at Walterboro, Colleton County, on the 28th, or one degree above the previous highest February record, which was 86° at Florence, Florence County, in 1904, on the 7th. The warmest period was during the last decade, and practically all maximum temperatures occurred on the 27th and 28th. The lowest temperature was 2° below zero on the 3d at Mountain Rest, Oconee County. But two previous Februarys in 31 years have shown temperatures below zero, namely, those of 1895 and 1899. The coldest periods were from the 2d to 6th and between the 9th and 13th.

HUMIDITY.

The mean relative humidity, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 75%; 8 p.m., 65%. The highest percentages occurred in the middle Savannah watershed, and the lowest, over the central counties.

PRECIPITATION.

The average for the Section, 56 stations reporting, was 4.11 inches, or 0.32 inch below the established normal. Precipitation was generally above normal over the Piedmont counties, where the amounts ranged from 5 to over 8 inches; but in large areas of the great coastal plain the measurements were considerably below normal and ranged from 4 inches downward to less than one inch on the Georgetown County coast. Alternating wet and dry periods during the early part of the month were followed by almost continuous wet weather from the 15th to the 24th, followed in turn by considerable sunshine at the close of the month. The greatest local monthly amount was 8.35 inches at Liberty, Pickens County; least amount, 0.60 inch at Georgetown, Georgetown County. The greatest 24-hour amount at any station was 2.40 inches at Saluda, Saluda County, on the 19th. The average number of rainy days was 11% below normal.

Snowfall in measurable quantities occurred in scattered sections of the State on the 5th and 12th, and snow flurries occurred at many stations on the 2d, 3d, and 14th. Sleet was also quite generally reported on the 4th, 5th, 8th, 9th, 11th, 12th, and 13th.

WIND.

The prevailing direction was from the southwest. The average hourly velocity, determined from 7 anemometer records, was 11.3 miles. The highest average in the region covered by reports was 15.2 miles per hour at Savannah, Ga.; lowest average, 7.9 miles per hour at Augusta, Ga. The average velocities in the Section proper were 12.1 miles per hour at Charleston and 10.3 miles per hour at Columbia. The highest velocity for any 5-minute period was 60 miles per hour from the northwest at Savannah, Ga., on the 2d, and in the Section proper, 52 miles per hour from the west at Columbia on 4th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records was 195.6 hours, or 64% of the possible amount. The average number of clear days was 14; partly cloudy, 7, and cloudy, 7, as against normals of 13, 6, and 9 days, respectively.

RIVER CONDITIONS.

On account of continued rains during the latter part of January, the upper Santee River was somewhat above flood stage between the 4th and 9th. Heavy rains in the upper reaches on the 23rd and 24th were followed by crest stages in the several rivers as follows: At Catawba, 11.0 ft. on the 24th; Camden, 27.3 ft. on the 25th; Chappells, 15.0 ft. on the 26th; Blairs, 14.0 ft. on the 24-25th; Columbia, 13.6 ft. on the 26th; Ferguson, 13.7 ft. on the 27th and 28th, with stage above flood on and after the 23d; Rimini, 15.6 ft. on the 28th, with stage above flood on and after the 21st; Pelzer, 7.8 ft. on the 24th.

ERRATA JANUARY, 1917.

Page 3, pressure, 5th line, should be 30.60.

Beaufort, page 6, maximum temperature, 25th, should be 60; mean maximum, 63.5; mean temperature, page 4, should be 54.6.

Calhoun Falls, page 6, minimum temperature, 30th, should be 55; mean minimum, 37.3; mean temperature, page 4, should be 47.8.

Camden, page 4, minimum temperature should be d26; page 6, minimum temperature, 26th, should be 29; 27th, 27; 28th, 46; 29th, 60; 30th, 77; mean, d41.9.

Georgetown, page 6, maximum temperature, 15th, should be 43; mean maximum, 63.8.

Newberry, page 6, maximum temperature, 22d, should be 67; mean maximum, 57.9; mean temperature, page 4, should be 48.5.

Saluda, page 6, maximum temperature, 16th, should be 36; mean maximum, 59.3; mean temperature, page 4, should be 48.9.

Summerville, page 6, minimum temperature, 22d, should be 57; mean minimum, 43.8; mean temperature, page 4, should be 54.2.

Walterboro, page 4, maximum temperature should be x79.

MISCELLANEOUS DATA FOR FEBRUARY, 1917.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C.	30.10	37.4	72	5	2.21	1.19	1.10	nw.	78	60	55
Augusta, Ga.	30.11	49.0	80	9	3.40	0.67	7.9	sw.	83	68	59
Charleston, S. C.	30.13	50.7	78	12	2.07	1.22	12.1	sw.	74	69	79
Charlotte, N. C.	30.08	42.9	74	7	3.78	1.07	12.9	sw.	75	65	55
Columbia, S. C.	30.10	47.9	79	9	3.07	1.37	10.3	w.	68	52	61
Savannah, Ga.	30.14	52.7	83	13	3.32	1.41	15.2	sw.	75	70	70
Wilmington, N. C.	30.10	47.6	80	13	1.18	0.65	9.4	w.	75	68	66
Means and extremes	30.11	46.9	83	5	2.72	1.41	11.3	sw.	75	65	64

Climatological Data for February, 1917.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	28	49.4	+1.2	83	28	10	3	38	2.87	−1.28	0.76	0.0	9	10	14	4	sw.	R. B. Vance.
Beaufort	Beaufort	21	30	51.0	−0.6	80	28	11	3	41	3.87	−0.12	2.24	0.0	7	15	8	5	sw.	Miss Lillian H. Rice.
Blackville	Barnwell	296	28	50.0	+2.8	83	26	7	3	43	4.08	−0.39	0.97	T.	10	13	8	7	......	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	16	49.9	+2.5	83	28	9	3	42	2.89	−1.34	1.86	1.5	7	19	7	2	w.	B. O. Evans.
Centenary	Marion	43	2	49.8	......	83	28	13	3	50	2.14	....	0.95	T.	7	11	8	9	sw.	D. L. Carmichael.
Charleston	Charleston	48	46	50.8	−0.9	78	28	12	3	33	2.07	−1.34	1.22	T.	8	16	7	5	sw.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	27	45.9	+1.4	77	27	8	3	38	4.07	−0.25	1.56	T.	12	....	....	....	......	J. H. Powe.
Conway	Horry	25	31	48.0	+0.7	77	24	11	5	41	1.88	−2.71	0.82	T.	7	....	....	....	......	Paul Quattlebaum.
Darlington	Darlington	175	22	^{a}46.0	+1.4	81	28	^{a}12	3	^{a}36	1.06	−3.54	0.52	T.	7	16	1	11	......	D. C. McCall.
Floyd Dale	Dillon	168	....	......	......	......	......	......	......	.....	......	....	......	......	....	....	....	....	......	H. B, Floyd.
Edisto ‡‡	Bamberg	143	29	......	......	......	......	......	......	.....	3.38	−1.63	0.75	T.	10	....	....	....	......	Nathan Jenkins.
Effingham	Florence	106	24	......	......	......	......	......	......	.....	2.85	−2.58	1.30	0.0	10	....	....	....	......	H. B. McCall.
Ferguson	Orangeburg	63	31	48.8	+1.1	83	28	12	3	38	3.11	−0.97	0.96	0.0	7	....	....	....	......	Joseph P. Simons.
Florence 1	Florence	136	28	46.4	+1.2	81	27	13	3	42	2.50	−2.00	1.00	0.0	9	10	9	9	sw.	H. K. Gilbert.
Florence 2	.....do	136	2	......	......	......	......	......	......	.....	2.64	−1.86	1.15	0.0	7	18	4	6	nw.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	22	50.1	+1.6	84	28	13	3	42	0.60	+3.94	0.30	T.	3	19	7	2	sw.	A. P. Hazard.
Kingstree	Williamsburg	54	28	48.0	+0.9	85	28	13	†3	40	3.10	−1.13	1.07	0.0	8	16	2	10	w.	A. O. Matthews.
Oaks ††	Georgetown	......	2	49.8	......	83	28	14	3	43	2.04	....	0.72	T.	6	15	9	4	w.	O. M. Mitchell.
Orangeburg	Orangeburg	264	1	47.4	......	84	28	10	3	42	2.60	....	0.60	T.	6	14	12	2	w.	U. S. Fisheries Station.
Pinopolis **	Berkeley	54	67	49.7	+1.6	76	†27	14	†3	.....	2.39	−1.13	0.82	0.0	4	14	7	7	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	3	......	......	......	......	......	......	.....	4.05	....	1.88	0.8	10	....	....	....	......	William B. Wolfe.
St. George	Dorchester	109	28	52.2	+5.1	86	28	13	3	35	2.77	−1.38	0.69	0.3	9	20	5	3	sw.	R. S. Weeks.
St. Matthews	Calhoun	62	21	48.3	+2.4	83	†27	9	3	39	2.46	-2.48	0.57	0.5	9	15	5	8	n.	J. S. Wannamaker.
Society Hill	Darlington	192	25	46.0	+1.6	81	28	13	†3	38	3.16	−1.60	1.22	0.0	10	13	9	6	s.	A. H. Rogers.
Summerville	Dorchester	75	19	51.9	+3.1	84	28	11	3	45	2.17	−2.27	0.67	T.	10	9	18	1	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	14	53.4	+3.0	87	28	11	3	48	2.44	−1.88	0.77	0.0	6	18	2	8	......	J. N. Frank.
Whitehall (near)	.....do	4	....	......	......	......	......	......	......	.....	......	....	......	......	....	....	....	....	......	Special Rice Exp. Station.
Yemassee	Hampton	24	21	50.0	+1.6	86	28	8	3	40	2.62	−1.41	1.30	0.0	7	16	2	10	sw.	J. G. Hutson.
Division means and extremes		......	....	48.9	+1.6	87	28	7	3	50	2.68	−1.71	2.24	0.1	8	15	7	6	sw.	
Western Portion.																				
Aiken	Aiken	527	56	49.6	+0.6	81	27	6	3	41	3.94	−0.14	0.85	0.0	9	20	1	7	sw.	Frank B. McCoy.
Anderson	Anderson	764	21	45.4	+1.5	79	†20	3	3	46	6.60	+1.10	1.41	0.0	10	17	0	11	w.	H. H. Russell.
Batesburg	Lexington	656	28	45.4	+0.6	78	27	7	3	42	7.09	+1.35	2.10	0.0	9	15	7	6	sw.	E. J. Hite.
Blairs	Fairfield	293	14	......	......	......	......	......	......	.....	4.19	+0.29	1.12	0.0	8	....	....	....	......	J. N. Owens.
Calhoun Falls	Abbeville	508	24	44.4	......	78	27	6	†3	44	5.71	+0.55	1.30	T.	8	13	2	13	w.	L. M. Parker.
Camden	Kershaw	222	57	......	......	^{c}80	27	^{c}11	3	.....	3.49	−0.65	1.40	T.	9	....	....	....	......	W. C. Brown.
Catawba	York	562	13	......	......	......	......	......	......	.....	4.77	+0.26	1.59	0.0	9	....	....	....	......	James C. Faris.
Chappells	Newberry	402	13	......	......	......	......	......	......	.....	4.82	+1.11	1.20	0.0	6	....	....	....	......	J. J. Murran.
Clemson College	Oconee	850	25	46.4	+3.9	74	28	5	3	38	7.86	+2.44	1.94	0.0	9	18	6	4	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	30	47.9	+0.1	79	27	9	3	32	3.07	−1.52	1.37	T.	8	11	10	7	w.	U S. Weather Bureau.
Edgefield	Edgefield	......	3	......	......	......	......	......	......	.....	4.75	....	1.50	0.0	6	....	....	....	......	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	4	......	......	......	......	......	......	.....	5.48	+1.08	1.82	0.2	9	....	....	....	......	Harry A. Parshall.
Greenville	Greenville	989	24	43.4	+2.9	76	†22	5	3	42	6.34	+1.06	2.29	0.0	9	10	12	6	sw.	J. H. Woodside.
Greenwood	Greenwood	671	28	44.7	+1.7	74	27	6	3	41	5.17	+0.36	1.93	0.0	8	17	0	11	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	16	45.0	+3.0	73	†26	10	5	49	5.68	+1.40	1.49	0.0	9	5	19	4	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	1	44.1	......	77	28	9	3	41	4.70	....	1.10	0.0	10	19	0	9	w.	John W. Hamel.
Landrum	Spartanburg	1063	2	42.0	......	72	24	0	†4	41	4.69	....	1.56	T.	8	15	9	4	......	R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	18	45.2	+2.7	74	28	5	3	40	8.35	+2.56	2.20	0.0	10	13	11	4	sw.	John T. Boggs.
Little Mountain	Newberry	711	24	47.2	+2.0	76	27	7	3	41	3.80	−0.99	1.60	0.0	8	11	4	13	w.	J. M. Sease, M. D.
Meriwether	McCormick	450	14	......	......	......	......	......	......	.....	......	....	......	......	....	....	....	....	......	William S. Middleton.
Monetta	Saluda	400	10	48.4	+0.6	78	27	6	3	43	5.28	+0.45	2.19	0.0	11	9	15	4	sw.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	2	^{d}41.7	......	^{d}73	†20	^{d}2	3	^{d}44	7.66	....	......	T.	....	14	3	11	......	J. H. Brown.
Newberry	Newberry	502	14	47.0	+2.8	77	27	8	3	42	5.00	+0.86	1.65	0.0	11	10	10	8	sw.	Warren G. Peterson.
Pelzer	Anderson	850	13	......	......	......	......	......	......	.....	6.56	+2.08	2.36	0.0	9	....	....	....	......	Joshua Y. Jones.
Saluda	Saluda	536	16	47.3	+0.1	78	27	7	3	49	5.41	+0.67	2.40	0.0	9	16	7	5	w.	Mrs. F. V. J. Maxwell
Santuck	Union	512	24	45.6	+3.0	74	†27	8	3	39	4.74	−0.20	1.44	0.0	10	12	10	6	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	34	^{a}42.4	+0.1	^{a}74	27	^{a}6	3	^{a}39	4.36	−0.45	1.75	T.	9	....	....	....	......	F. P. Robinson.
Trenton	Edgefield	620	28	47.6	+1.5	76	27	6	3	41	5.13	−0.29	1.45	0.0	8	16	8	4	sw.	Mrs. S. E. Long.
Walhalla	Oconee	1061	14	......	......	......	......	......	......	.....	7.95	+2.78	1.58	0.0	11	13	10	5	w.	H. W. Brandt.
White Oak	Fairfield	548	1	47.2	+1.9	76	27	7	3	49	3.96	−0.34	1.11	0.0	10	16	9	3	sw.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	43.8	+1.1	69	†27	7	3	38	4.07	−0.05	1.30	0.0	7	10	14	4	sw.	W. P. Goodman.
Division means and extremes		......	....	45.5	+1.2	81	27	2	3	49	5.35	+0.66	2.40	T.	9	13	8	7	sw.	
Section means and extremes		......	....	47.3	+0.4	87	28	2	3	50	4.11	−0.32	2.40	0.1	8	14	7	7	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.
T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for February, 1917.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ‖‖	Savannah		.30							.35			.10			.07			.76	.40	.07	.60	T.		.22								2.87
Beaufort	Coast	.50				T.			.48	.02					.03				2.24		.50								.10				3.87
Blackville ‖‖	Edisto	.86				.05				.50	.06					.38			.30	.50	.40	.57			.46								4.08
Bowman	do	.35				.10							.05			.14				.21	1.86		T.	.18									2.89
Centenary	Pee Dee	.22				T.			T.	.18		T.	T.			.20			.10	.95	.43			T.	.06								2.14
Charleston ***	Coast	.18			T.	.02			.11	.08			T.			.01			1.22	T.	.42			T.	.03								2.07
Cheraw ‖‖	Pee Dee	.25	.01			.08				.37						.26	.04		.15	.09	1.56	.58	.15		.53								4.07
Conway ‖‖	Waccamaw	T.	.20	T.		T.				T.	.22			T.		.22			.16	.10	.82	.16			T.								1.88
Darlington ‖‖	Pee Dee					T.				.15						.17			.03	.08	.52	.05			.06								1.06
Floyd Dale	Little Pee Dee																																
Edisto ‖‖	Edisto		.51		T.					.34			.02	.01		.22			.20	.51	.61	.75			.15								3.38
Effingham ‖‖	Lynches	.12	.06							.40						.44	.04		.11	.04	1.30	.10			.24								2.85
Ferguson ‖‖	Santee	.10				.02				.05			T.			.96				.73	.93	.32											3.11
Florence 1 ‖‖	Pee Dee	.11								.49						.28	.03		.04	.10	1.00	.11			.34								2.50
Florence 2	do	.10									.50					.17			.10	1.15	.27	T.		.35									2.64
Georgetown	Coast		T.						T.				T.			T.			.15	.15	.30			T.									0.60
Kingstree ‖‖	Black	.18	.50							.05						T.	T.		.09	.22	1.07	.19			.80								3.10
Oaks	do	.42								T.			T.			.05			.28	.72	.55	.02											2.04
Orangeburg	Edisto	T	.60			T.										.25			.15	.40	.60	.60			T.								2.60
Pinopolis	Cooper	.51											T.						.82	.66	.40												2.39
Rimini ‖‖	Santee	.33	.23			.08				.38						.38			.22	.25	1.88	.18			.12								4.05
St. George ‖‖	Edisto		.53		.03					.29			.06			.08			.23	.47	.69	.39											2.77
St. Matthews ‖‖	Santee	.51	.05			.05				.51						.57			.35	.17	.11	.14											2.46
Society Hill ‖‖	do	.10				.08				.36						.30			.09	.16	1.22	.26	.05		.54								3.16
Summerville	Ashley	.45				.01			T.	.20			.09			.05			.67	.02	.56			.04	.08								2.17
Walterboro	Ashepoo	.56								.37			.03						.77	.01	.70												2.44
Whitehall (near)	Combahee																																
Yemassee ‖‖	do		.35							.38	T.		.01			T.			.30	1.00	.03	.55											2.62
Western Portion.																																	
Aiken	Edisto	.85							.08	.83						.47		.05	.77	.13	.63				.13								3.94
Anderson	Savannah	1.01				.03				.21						.70		05	.26	1.41	1.19			.95	.79								6.60
Batesburg ‖‖	Edisto	1.05	.69			.43				.29						.97			.15	2.10	.92	.32			.49								7.09
Blairs ‖‖	Broad	.65								.30						.30				.25	1.12	.24	.28		1.05								4.19
Calhoun Falls ‖‖	Savannah	1.37	.09			T.										.48			.06	1.30	1.23	.45			.73								5.71
Camden ‖‖	Wateree	.36	.06							.32		T.				.35			.10	.14	1.40	.45			.31								3.49
Catawba ‖‖	Catawba	.66								.25						.34			.20	.13	1.09	.39	.12		1.59								4.77
Chappells ‖‖	Saluda	.93								T.						.92				1.20	.12	.45			1.20								4.82
Clemson College	Savannah	1.21							.05							.71		.06	.28	1.62	.62			1.37	1.94								7.86
Columbia ***	Congaree	.35	T.		T.				.54	.05		T.			T.	.45		T.	.02	1.37	.08			.21					T.				3.07
Edgefield ‖‖	Savannah	.80								.55						.60				.80	1.50	.50											4.75
Gaston Shoals ‖‖	Broad	.85				.02			T.	T.						.45	.07		.51	.20	.96	.60		T.	1.82								5.48
Greenville ‖‖	Saluda	1.22				T.			T.	.06						.53	.09		.13	.54	1.15	.33			2.29								6.34
Greenwood ‖‖	do	1.12								.08					.65				.12	.24	1.93	.38			.65								5.17
Heath Spring	Wateree	.44								.44						1.35			.32	1.49	.37	.30		.95	.02								5.68
Kershaw	Lynches	.53	.12						.49							.40			.21	.40	1.10	.36	.20		.89								4.70
Landrum	Broad	1.56				.01												.09	.48	.89	1.01			.41					.24				4.69
Liberty	Savannah	1.99			.02				.04							.55		.15	.50		2.20			1.30	1.10		T.		.50				8.35
Little Mountain	Saluda	.51			.03					.45						.43				1.60	.22			.16	.40								3.80
Meriwether	Savannah																																
Monetta	Edisto	.65				.07			.05	.70			T.			.64			.29	2.19	.43			.11	.08				.07				5.28
Mountain Rest	Savannah	1.39			T.				.02							.71		*	*	*	3.40			.85	.93		T.		.31				7.66
Newberry	Saluda	.75				.15			T.	.15		T.				.57		T.	.12	1.65	.47	.05		1.65	.43				.01				5.00
Pelzer ‖‖	do	.80				T.				.10						.60	.04		.20	.90	1.24	.32			2.36								6.56
Saluda	do	.75								.55						.60			.15	2.40	.30		.26		.35				.05				5.41
Santuck	Broad	.50	T.			.08			T.	.08						.49		T.	.19	1.29	.49	.18		.74	.70		T.						4.74
Spartanburg ‖‖	do					.05				.05						.42	.04		.13	.58	.92	.42			1.75								4.36
Trenton	Edisto	.95			T.	T.			T.							1.45		T.	.52	1.40	.45			.13	.05				.18				5.13
Walhalla	Savannah	1.44			.06				.07							.68		.17	.35	1.54	.82			1.58	.86				.38				7.95
White Oak	Broad	.59							.02	.11						.50			.12	1.11	.33	.14		.16	.88								3.96
Winthrop College	Catawba	.38														.46			.26	1.14	.33			.20	1.30								4.07

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	52.6	80	24	3.41	12				
1888	49.9	76	15	4.83	10				ne.
1889	41.9	75	10	5.60	8				*w.
1890	56.1	83	21	2.38					sw.
1891	54.7	83	13	4.23					sw.
1892	49.2	73	18	3.64					*sw.
1893	51.0	82	25	5.05	12				
1894	48.9	76	16	4.35	10	8	9	11	sw.
1895	37.4	78	− 6	3.07	7	13	6	9	nw.
1896	48.2	81	5	6.13	8	13	8	8	sw.
1897	50.0	83	15	7.80	11	10	7	11	sw.
1898	44.5	78	10	0.86	3	15	6	7	w.
1899	43.0	80	− 11	6.98	12	9	7	12	w.
1900	44.0	78	1	5.77	10	9	7	12	w.
1901	43.2	78	7	3.08	6	14	7	7	nw.
1902	40.6	77	11	5.89	8	12	6	10	nw.
1903	49.0	81	11	7.03	10	10	7	11	sw.
1904	45.2	86	15	3.59	9	12	6	11	ne.
1905	38.9	72	0	5.21	9	10	4	14	ne.
1906	46.0	76	12	2.58	6	16	5	7	ne.
1907	45.1	84	16	3.63	8	10	8	10	ne.
1908	43.6	81	12	5.28	10	14	6	9	w.
1909	52.2	84	12	4.49	8	15	7	6	sw.
1910	44.7	79	15	4.71	9	12	6	10	w.
1911	52.1	85	20	1.60	5	13	8	7	sw.
1912	42.3	80	8	5.99	8	15	5	9	w.
1913	48.9	80	22	4.50	8	12	4	12	w.
1914	44.6	78	14	4.41	9	12	6	10	n.
1915	48.6	80	20	3.15	6	15	6	7	n.
1916	48.5	81	11	3.96	8	17	6	6	sw.
1917	47.3	87	−2	4.11	8	14	7	7	sw.
Period	46.9	87	−11	4.43	8	13	6	9	sw.

*Also nw.

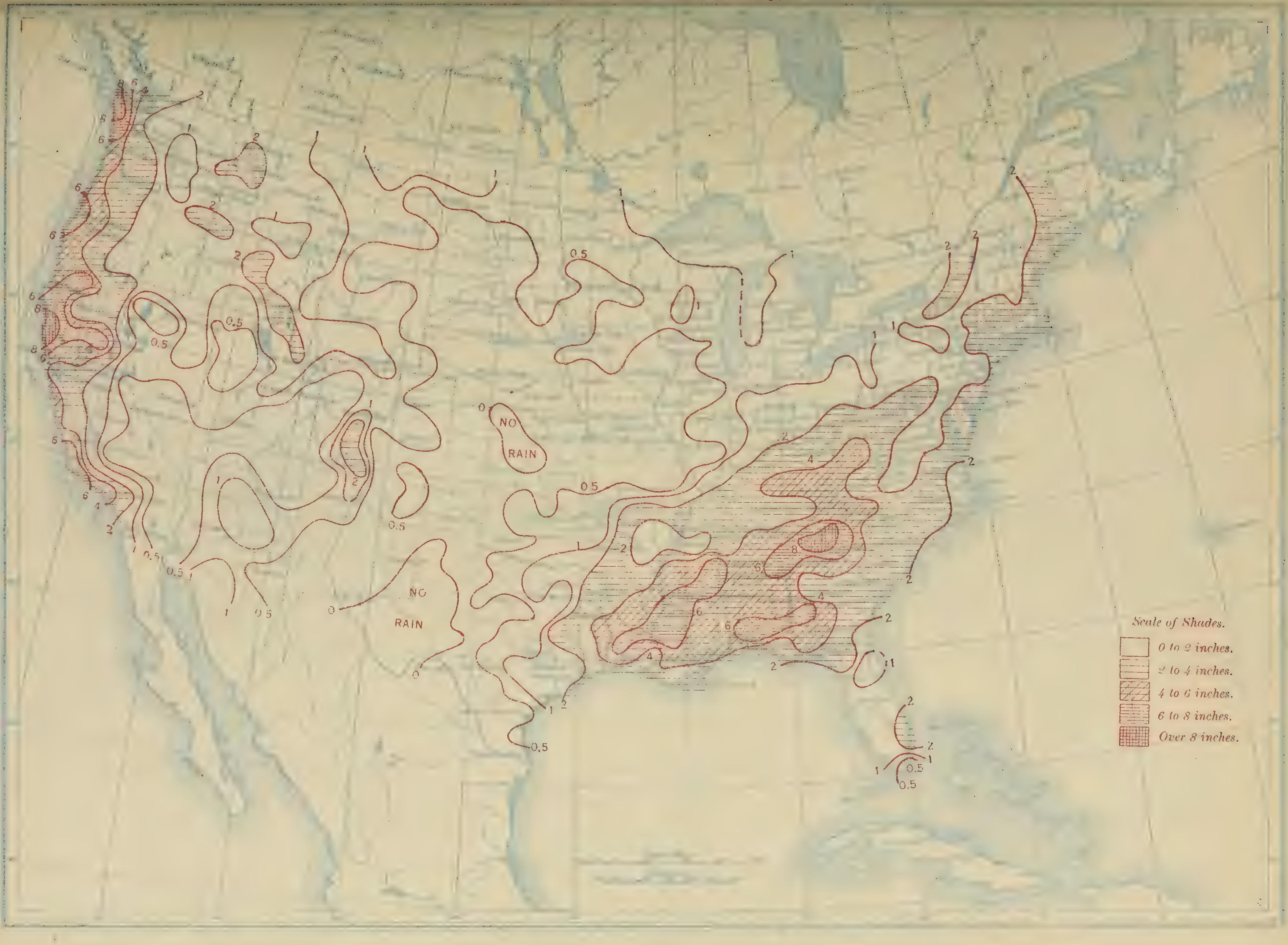
Daily Temperatures for February, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	66	33	34	52	32	47	59	62	48	50	56	44	47	64	73	59	62	61	78	65	68	74	73	74	70	78	81	83				60.5
	Minimum	51	23	10	22	14	18	24	31	42	24	25	33	25	29	35	38	40	42	56	58	54	54	49	54	52	48	63	58				38.3
Beaufort	Maximum	65	51	35	52	38	50	58	63	53	51	60	51	46	60	72	58	63	62	72	75	70	73	70	74	72	75	77	80				61.6
	Minimum	49	24	11	26	17	22	30	43	36	26	39	35	26	32	48	39	53	49	52	54	52	51	51	56	49	52	55	57				40.5
Blackville §	Maximum	68	28	44	51	45	49	60	59	49	56	57	47	65	71	70	65	76	67	76	76	78	76	74	66	75	83	80	82				64.0
	Minimum	58	21	7	10	11	16	26	39	40	20	34	29	22	28	35	33	36	53	39	57	45	44	46	54	48	47	56	57				36.1
Bowman	Maximum	75	65	40	50	48	52	58	60	48	49	58	45	58	65	68	67	66	72	74	66	70	73	70	74	72	77	80	83				63.7
	Minimum	60	40	9	22	11	13	21	35	34	21	40	31	21	26	44	35	43	41	46	52	44	42	44	43	42	46	50	56				36.1
Centenary	Maximum	67	64	35	51	50	48	59	66	55	48	56	52	45	61	72	67	63	61	61	68	69	68	70	77	67	80	82	83				62.3
	Minimum	57	26	13	26	16	17	25	40	37	21	29	30	21	25	41	38	33	50	48	53	43	44	43	60	48	45	61	58				37.4
Charleston	Maximum	67	50	32	51	45	43	56	66	54	46	63	53	42	57	66	58	63	59	66	73	66	73	68	76	64	74	76	78				60.2
	Minimum	50	17	12	26	19	22	33	44	33	27	40	32	30	37	48	41	43	52	51	58	52	53	54	59	52	52	59	60				41.3
Cheraw §§	Maximum	64	27	31	47	30	47	56	56	43	44	55	38	42	56	66	54	58	63	62	66	60	65	64	74	64	74	77	74				55.6
	Minimum	58	26	8	23	12	15	28	42	40	18	30	26	18	28	41	35	35	47	46	52	40	40	38	55	45	48	61	58				36.2
Conway §§	Maximum	62	35	34	52	32	46	58	68	51	46	59	43	46	62	75	57	67	62	62	72	63	59	68	77	67	69	71	70				58.3
	Minimum	58	33	14	17	11	18	25	35	45	22	29	22	20	26	42	40	35	47	49	52	44	48	45	58	50	48	62	64				37.8
Darlington §§	Maximum	65	33	34	49	34	47	58	60	48	45	53	41	45	59	69	57	58	64	61	66	70	68	69	75	68	77	80	81				58.4
	Minimum	....	30	12	13	13	15	23	35	41	20	27	29	19	24	29	37	32	41	42	52	41	41	42	49	45	46	55	57				a 33.7
Ferguson §§	Maximum	65	43	41	50	32	50	58	65	55	58	48	42	46	64	72	70	68	65	67	59	62	70	71	72	74	78	82	83				61.1
	Minimum	57	30	12	14	14	20	22	33	42	30	32	32	24	26	34	34	38	40	41	43	52	52	52	54	44	47	40	54				36.5
Florence 1 §§	Maximum	65	31	30	49	31	48	55	63	45	41	49	43	47	57	70	57	58	61	63	65	61	71	70	73	69	75	81	80				57.5
	Minimum	53	31	13	14	14	14	20	31	41	22	23	30	20	21	28	36	35	39	49	54	45	46	47	56	47	46	50	60				35.2
Floyd Dale	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....				....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....				....
Georgetown	Maximum	63	56	36	53	35	47	60	68	56	52	53	45	43	64	71	59	70	61	62	72	70	73	70	78	75	73	78	84				61.7
	Minimum	56	32	13	17	17	21	26	36	44	23	32	32	23	29	38	39	40	58	52	55	41	52	47	47	50	49	54	56				38.5
Kingstree §§	Maximum	64	36	41	53	33	46	59	67	51	48	58	42	45	63	71	57	66	67	60	70	73	70	71	75	68	78	83	85				60.7
	Minimum	51	33	13	13	17	19	26	33	41	24	26	24	21	23	23	40	36	41	42	52	45	47	47	49	50	47	47	60				35.4
Oaks	Maximum	72	61	34	51	49	45	58	67	57	47	58	55	45	63	70	65	65	60	58	70	70	69	70	75	68	78	80	83				62.2
	Minimum	56	29	14	26	17	21	25	38	41	21	30	33	20	30	42	40	33	40	50	54	44	47	43	45	50	46	60	56				37.5
Orangeburg	Maximum	67	29	32	51	34	47	58	59	44	47	56	42	45	65	70	57	64	61	68	64	73	69	72	73	68	78	82	84				59.2
	Minimum	48	27	10	25	14	14	18	31	33	27	27	34	22	23	36	37	39	41	51	55	47	47	45	48	51	47	49	58				35.6
St. George §§	Maximum	51	52	34	52	34	49	60	64	49	50	60	44	49	66	73	58	66	60	75	68	75	74	74	76	71	80	83	86				61.9
	Minimum	62	30	18	25	21	20	27	45	44	27	38	35	26	31	53	40	43	55	57	57	52	51	51	57	52	50	62	60				42.5
St. Matthews §§	Maximum	66	33	36	50	33	48	59	59	48	48	55	42	55	61	63	58	63	61	64	66	74	69	72	75	66	78	83	83				59.7
	Minimum	54	27	9	14	12	16	25	35	40	20	32	31	22	26	45	34	39	45	50	55	46	47	44	54	48	47	59	58				36.9
Society Hill §§	Maximum	66	32	33	49	32	46	56	59	47	44	55	39	42	57	69	56	57	63	60	69	65	65	67	75	68	76	79	81				57.4
	Minimum	54	28	13	15	13	15	23	34	41	19	25	28	19	25	30	36	32	39	47	51	41	40	40	50	45	46	61	58				34.6
Summerville	Maximum	67	59	33	53	50	50	59	67	57	49	62	57	48	65	75	66	65	60	71	74	73	76	71	77	72	78	82	84				64.4
	Minimum	57	25	11	24	17	19	26	42	42	23	33	32	23	30	46	38	40	49	54	58	50	50	46	56	52	47	56	57				39.4
Walterboro	Maximum	71	63	59	56	56	52	61	68	59	53	63	59	51	63	76	69	68	62	78	74	78	78	73	79	74	79	85	87				67.6
	Minimum	60	23	11	23	16	19	23	40	40	21	31	33	24	29	47	39	38	50	56	51	55	45	47	54	52	51	61	56				39.1
Yemassee §§	Maximum	68	33	34	54	35	50	60	66	52	55	62	45	52	64	75	59	64	61	80	72	74	77	76	77	72	80	83	86				63.1
	Minimum	46	24	8	20	14	18	23	24	43	21	29	36	22	26	51	39	36	36	56	53	53	48	44	55	52	45	60	54				37.0
Western Portion.																																	
Aiken	Maximum	69	58	33	50	49	46	57	56	50	48	52	51	45	62	68	63	60	64	71	67	69	74	71	72	70	74	81	78				61.0
	Minimum	57	19	6	21	9	14	28	43	38	19	35	33	24	28	46	34	39	48	53	58	49	47	48	52	49	50	62	59				38.1
Anderson	Maximum	69	39	33	48	36	51	59	52	46	49	43	45	50	63	66	60	57	68	62	79	79	78	59	72	72	62	78	79				59.4
	Minimum	31	11	3	18	5	11	28	32	24	14	34	25	20	26	40	29	31	42	48	52	44	43	42	47	42	42	45	50				31.4
Batesburg §§	Maximum	66	24	27	37	30	45	56	55	41	45	49	41	39	62	63	54	57	66	66	66	68	69	66	65	72	74	78	73				55.6
	Minimum	53	24	7	10	10	13	17	33	39	20	23	32	24	27	36	35	34	41	50	54	49	50	46	49	49	48	54	60				35.2
Calhoun Falls	Maximum	62	23	32	48	30	51	57	47	40	48	48	45	48	63	63	57	53	70	61	74	75	73	60	71	73	74	78	76				57.1
	Minimum	46	18	6	6	8	8	13	32	38	18	18	30	21	21	27	33	33	37	48	54	44	43	44	45	45	46	50	59				31.8
Camden §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	70	69	63	65	65	68	72	72	75	73	...	75	80	79				....
	Minimum	47	28	11	26	15	17	...	39	...	22	37	31	22	27	47	36	37	50	49	54	53	....	44	54	50	54	61	58				c 38.8
Clemson College	Maximum	64	60	34	46	45	44	53	52	48	44	54	53	42	56	58	56	55	63	62	70	70	69	65	68	67	60	70	74				57.2
	Minimum	55	20	5	21	10	10	40	41	35	19	38	29	18	22	33	35	32	46	46	55	42	44	47	49	55	44	52	53				35.6
Columbia	Maximum	67	43	31	49	31	48	57	57	47	56	51	44	44	62	68	76	59	65	62	67	70	67	69	71	65	72	79	77				58.0
	Minimum	43	14	9	24	13	18	31	44	29	23	35	29	23	30	44	36	40	51	52	57	50	50	48	55	48	50	62	50				37.8
Greenville §§	Maximum	67	30	33	42	35	50	60	49	41	48	61	44	45	62	61	60	56	66	60	75	75	76	53	74	65	63	74	76				57.2
	Minimum	46	17	5	7	7	8	15	30	34	14	17	24	20	22	32	29	29	33	42	49	40	40	42	43	41	41	50	51				29.6
Greenwood §§	Maximum	63	19	35	50	29	44	55	48	39	47	47	43	44	70	63	54	54	66	61	70	71	70	61	69	64	71	74	53				55.3
	Minimum	52	19	6	7	8	8	15	31	37	19	27	29	20	29	47	33	36	48	56	53	48	46	41	42	44	45	49	59				34.1
Heath Spring	Maximum	65	60	57	46	44	42	65	54	48	42	40	41	40	52	53	53	56	47	55	64	64	64	63	70	60	73	73	70				55.8
	Minimum	55	24	19	23	10	16	28	40	37	19	19	25	19	28	33	33	32	44	45	45	15	42	44	41	43	47	47	57				34.3
Kershaw §§	Maximum	57	27	30	48	38	37	60	59	58	43	52	38	46	58	52	45	52	63	59	59	58	67	65	71	63	73	76	77				55.0
	Minimum	52	25	9	11	10	11	16	34	25	17	31	27	19	25	42	34	33	40	47	51	42	42	41	45	44	47	51	58				33.2
Landrum	Maximum	61	38	37	43	44	47	56	52	44	43	52	43	41	57	61	59	54	59	56	71	67	67	57	72	61	62	71	66				55.0
	Minimum	37	15	3	0	0	7	6	37	26	15	31	21	16	27	36	33	28	42	44	51	40	40	34	43	37	39	55	46				28.9
Liberty	Maximum	61	46	31	45	44	47	54	48	45	46	57	52	44	58	59	56	52	64	59	71	72	70	57	70	64	63	72	74				56.5
	Minimum	46	10	5	22	3	12	28	39	29	15	31	25	23	29	42	34	31	42	42	55	40	46	44	44	46	49	55	56				33.9
Little Mountain	Maximum	65	52	32	48	45	45	56	55	49	45	50	45	44	60	66	56	57	60	65	68	70	68	65	70	66	71	76	73				57.9
	Minimum	52	18	7	23	10	16	31	35	33	19	34	29	21	30	44	33	38	45	49	56	51	49	44	45	45	50	60	59				36.6
Meriwether	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....				....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....				....
Monetta	Maximum	68	56	31	49	48	46	56	55	47	45	50	49	46	62	67	57	57	66	66	67	67	69	67	69	68	73	78	76				59.1
	Minimum	56	20	6	20	9	15	28	41	37	21	32	31	22	28	46	34	38	49	51	57	47	48	46	53	49	49	61	59				37.6
Mountain Rest	Maximum	60	38	33	42	40	50	56	47	42	44	55	45	42	50	57	....	....	....	....	71	73	69	55	71	62	60	72	73				d 54.5
	Minimum	38	6	2	19	3	9	25	39	22	8	36	18	16	27	40	....	....	....	....	30	39	47	43	45	37	43	51	55				d 28.9
Newberry	Maximum	66	52	31	49	45	45	57	52	48	46	50	48	44	60	66	55	57	68	61	69	71	68	63	70	65	72	77	74				58.2
	Minimum	52	18	8	24	10	15	27	39	35	18	32	29	21	24	44	33	35	48	48	54	41	43	40	53	45	50	60	56				35.8
Saluda	Maximum	68	53	33	49	48	41	57	54	48	48	49	48	46	62	67	57	57	69	67	70	70	71	68	71	67	74	78	75				59.6
	Minimum	52	19	7	23	10	15	15	35	34	18	32	30	20	22	43	34	35	46	48	55	40	39	46	55	45	42	60	59				35.0
Santuck	Maximum	66	50	30	48	46	44	57	52	45	44	58	45	43	58	63	57	61	63	58	69	69	67	55	71	64	67	74	74				57.1
	Minimum	49	15	8	22	9	14	28	40	29	16	33	26	20	27	41	32	34	47	46	55	39	39	37	52	43	46	59	47				34.0
Spartanburg §§	Maximum	66	22	31	46	29	47	60	....	49	43	55	40	42	58	61	58	57	63	60	71	71	67	55	72	64	65	74	68				a 55.3
	Minimum	44	17	6	8	7	8	16	30	....	17	18	25	19	20	32	31	31	35	42	47	41	41	39	42	41	41	47	53				a 29.6
Trenton	Maximum	66	49	31	47	47	44	54	55	48	46	49	47	44	61	65	54	55	65	69	68	69	72	68	69	67	73	76	74				58.3
	Minimum	49	16	6	21	9	15	32	31	33	20	24	31	23	29	44	33	38	47	52	57	47	49	47	53	47	49	61	59				36.9
White Oak	Maximum	66	56	30	46	44	42	57	53	49	45	52	38	44	63	65	55	58	66	60	67	69	68	63	71	66	71	76	74				58.0
	Minimum	55	19	7	22	17	14	30	40	35	17	35	28	20	29	43	33	38	47	48	52	46	44	41	54	43	46	58	58				36.4
Winthrop College	Maximum	60	53	26	44	46	44	53	50	45	39	50	49	38	53	53	53	50	55	57	63	63	59	57	65	65	64	69	69				53.3
	Minimum	53	19	7	21	8	14	29	39	31	16	33	24	17	29	42	30	35	47	43	55	42	40	36	54	40	47	59	46				34.2

Reference letters, (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, February, 1917.



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CLIMATOLOGICAL DATA

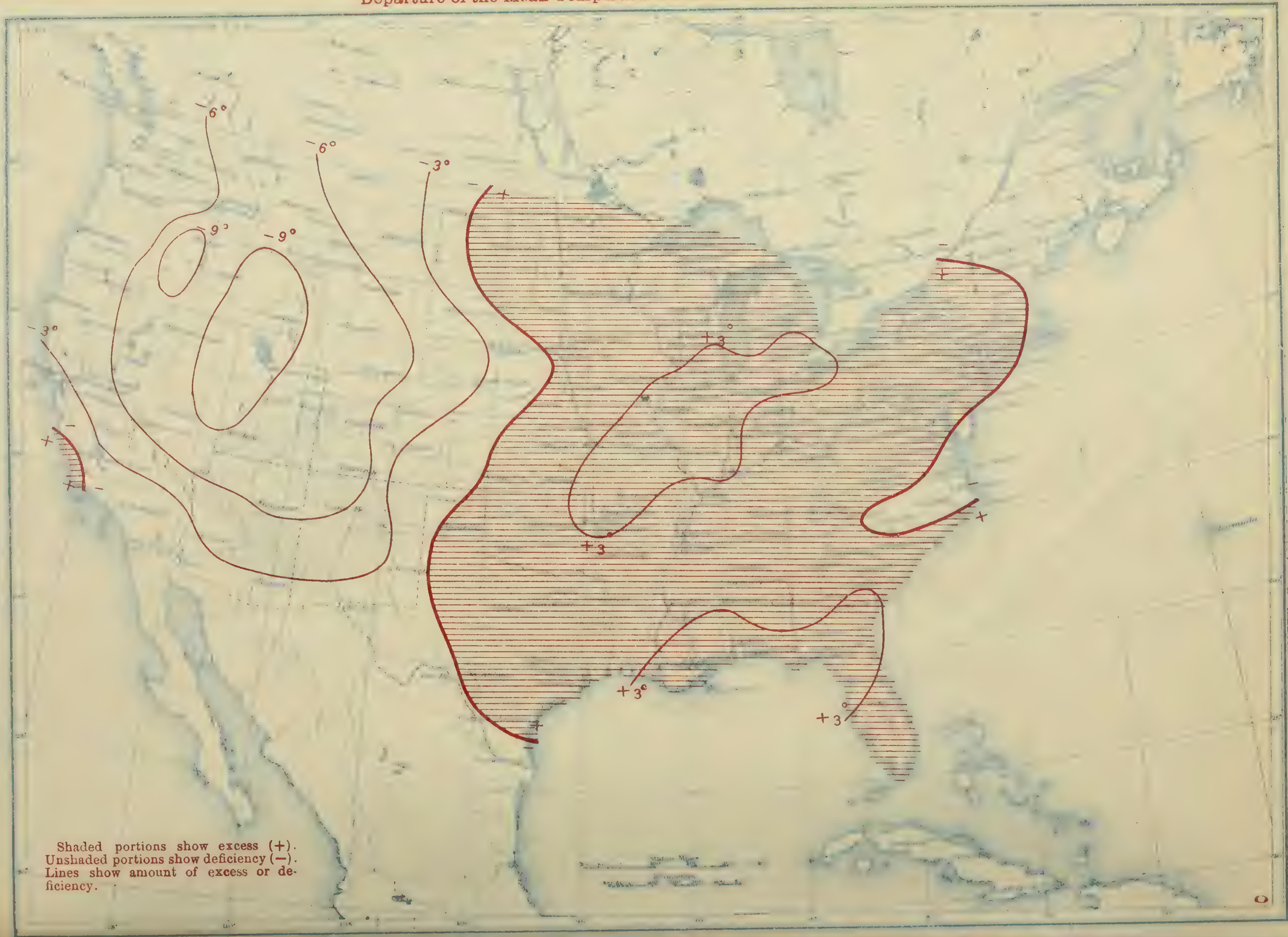
SOUTH CAROLINA SECTION

MARCH, 1917

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
May 10, 1917

Departure of the Mean Temperature from the Normal, March, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN. Meteorologist.

Vol. XX. Columbia, S. C., March, 1917. No. 3.

GENERAL SUMMARY.

Precipitation during March was considerably above normal over the major portion of the Section, and thermal conditions were near the seasonal average. The cloudy weather incident to extended periods of rain, with comparatively cold nights and intervening showers, tended to retard the advance of vegetation, and spring soil preparation was materially delayed by wet ground; in consequence, the season at the close of the month was 10 to 20 days late. Cotton planting had begun in the more favored regions of the coastal plain, but plowing was only fairly well advanced along the lower Piedmont, while little or no cultivation had been done on the higher elevations. Corn planting was even more general than that of cotton, and extended northward over the eastern counties, where the soil was not so wet. Field truck was generally backward on account of wet land and second plantings incident to the February freeze, and much of the old land was being turned to white potatoes. Good stands of tobacco plants were indicated in the eastern counties. Oats had improved beyond expectations in many sections, and wheat was in good condition. Fruit prospects were favorable, and peaches were in bloom, and pears and apples were budding in the extreme northern counties. The warm, drying weather at the close of the month materially improved the general farming situation.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.14 inches. The highest pressure in the region covered by reports was 30.56 inches at Wilmington, N. C., on the 7th, and in the Section proper, 30.46 inches at Charleston on the 6th and at Columbia on the 7th; lowest pressure, 29.68 inches at Asheville, N. C., on the 4th, and in the Section proper, 29.73 inches at Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 43 stations, was 55.0°, or 0.4° above the established normal. The highest temperature was 88° at St. Matthews, Calhoun County, on the 12th. The warmest periods were from the 11th to 17th and during the last few days of the month. The lowest temperature was 14° at Mountain Rest, Oconee County, on the 6th. The coldest periods of the month were the 5th and 6th and on the 18th and 19th; the great majority of latest spring killing frosts and freezes were reported on the 6th.

HUMIDITY.

The mean relative humidity, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 75%; 8 p.m., 66%. The highest percentages occurred in the southern coast district, and the lowest, over the central Piedmont.

PRECIPITATION.

The average for the Section, 57 stations reporting, was 5.39 inches, or 1.48 inches above the established normal. Rainy weather prevailed almost continuously during the first and last decades, while intermittent showers persisted during the intervening period. As to amounts, the measurements ranged from 4 to over 12 inches over the upper coastal plain and in the higher elevations of the Piedmont, while in an extensive area of the northeastern counties and in a narrow strip along the lower coast the rainfall ranged below three inches and downward to 2.54 inches in Richland County. The greatest local monthly amount was 12.42 inches at Mountain Rest, Oconee County; least amount, 2.54 inches at Columbia. The greatest 24-hour amount at any station was 3.10 inches at Liberty, Pickens County, on the 23rd and 24th. The average number of rainy days was 38% above the normal.

Snow flurries occurred at but one station, Mountain Rest, Oconee County, on the 18th.

WIND.

The prevailing direction was from the southwest. The average hourly velocity, determined from 7 anemometer records, was 10.5 miles. The highest average in the region covered by reports was 13.6 miles per hour at Savannah, Ga.; lowest average, 6.8 miles per hour at Augusta, Ga. The highest velocity for any 5-minute period was 48 miles per hour from the west at Charlotte, N. C., on the 18th, and in the Section proper, 34 miles per hour from the northeast at Charleston on the 16th and from the southwest at Columbia on the 17th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 223.3 hours, or 60% of the possible amount. The average number of clear days was 14; partly cloudy, 6, and cloudy, 11, as against normals of 14, 8, and 9 days, respectively.

RIVER CONDITIONS.

The flood running in the Santee River at the close of February was further augmented by heavy rains in the upper reaches about March 5, which caused floods in all the rivers of the Santee and Pee Dee systems, with crests of 17.5 feet at Catawba on the 5th, 30.3 feet at Camden on the 6th, 33.3 feet at Cheraw during the night of the 6-7th, and stages of 17.8 to 19.0 feet in the Congaree, lower Broad and lower Saluda rivers on the 6th and 7th. Recurring heavy rains on March 24 and 25 were followed by more moderate freshets in the Santee and Pee Dee districts. Unavoidable losses thus far reported approximated $29,675, while the value of movable property saved by timely warnings of the Weather Bureau has been conservatively estimated at $85,700.

ERRATA.—FEBRUARY, 1917.

Beaufort. Mean temperature, page 12, should be 50.7.
Blackville. Daily rainfall for 12th, page 13, should be T.
Florence No. 1. Page 12, clear days should be 11; partly cloudy, 7, and cloudy, 10.
Saluda. Mean temperature, page 12, should be 47.4.

MISCELLANEOUS DATA FOR MARCH, 1917.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a.m.	8 p.m.	
Asheville, N. C....	30.13	46.1	74	17	5.76	1.02	12.0	se.	75	58	51
Augusta, Ga.......	30.13	56.9	82	28	4.10	1.21	6.8	se.	82	65	56
Charleston, S. C...	30.15	59.4	84	34	3.05	1.39	12.1	sw.	77	75	72
Charlotte, N. C ...	30.13	50.3	75	26	6.42	1.66	11.7	sw.	78	63	56
Columbia, S. C....	30.14	55.2	79	29	2.54	0.62	8.6	ne.	70	54	56
Savannah, Ga.....	30.15	61.5	84	33	2.69	2.09	13.6	sw.	79	75	66
Wilmington, N. C.	30.15	55.4	79	31	4.00	1.67	8.9	sw.	74	71	64
Means and extremes......	30.14	55.0	84	17	4.08	2.09	10.5	sw.	75	66	60

Climatological Data for March, 1917.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	28	58.4	+0.7	84	12	27	6	45	6.05	+2.23	1.92	0	9	13	3	15	sw.	R. B. Vance.
Beaufort	Beaufort	21	30	59.7	+0.7	85	31	28	6	39	3.41	0.00	1.27	0	6	13	10	8	sw.	Miss Lillian H. Rice.
Blackville	Barnwell	296	28	58.0	−0.1	87	12	23	6	52	3.40	−0.29	0.95	0	7	15	6	10		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	16	56.3	−1.9	84	12	25	6	45	4.90	+0.71	1.10	0	10	16	5	10	sw.	B. O. Evans.
Centenary	Marion	43	2	56.8		82	12	29	6	45	2.68		0.65	0	8	12	8	11	w.	D. L. Carmichael.
Charleston	Charleston	48	46	59.4	+2.2	84	12	34	6	28	3.05	−0.67	1.39	0	10	15	6	10	sw.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	27	53.4	−0.5	79	31	26	6	32	2.55	−1.17	0.70	0	12					J. H. Powe.
Conway	Horry	25	31	^{c}55.4	−1.4	^{c}77	11	29	6	^{c}36	4.07	+0.37	1.20	0	9					Paul Quattlebaum.
Darlington	Darlington	175	22	54.6	−1.7	82	12	25	6	44	3.13	−0.18	1.00	0	10	13	2	16		D. C. McCall.
Edisto ‡‡	Bamberg	143	29								4.30	+0.24	1.23	0	10					Nathan Jenkins.
Effingham	Florence	106	24								2.77	−1.30	0.80	0	9					H. B. McCall.
Ferguson	Orangeburg	63	31								5.26	+1.87	1.20	0	9					Joseph P. Simons.
Florence 1	Florence	136	28	54.4	−1.6	81	12	27	6	44	2.71	−0.32	0.62	0	12	13	9	9	sw.	H. K. Gilbert.
Florence 2	do	136	2								2.63	−0.40	0.62	0	9	17	6	8	se.	Pee Dee Experiment Sta.
Floyd Dale	Dillon	168											^{c}0.71	0						H. B, Floyd.
Georgetown	Georgetown	12	22	57.2	−0.7	85	12	27	6	44	3.45	0.00	0.85	0	7	17	7	7		A. P. Hazard.
Kingstree	Williamsburg	54	28	56.4	−0.9	84	12	28	6	44	4.23	+0.78	0.96	0	7	17	4	10	sw.	A. O. Matthews.
Oaks ††	Georgetown		2			^{j}83	†12	^{a}29	†6	^{j}43	4.09		1.48	0	11	13	13	5	w.	O. M. Mitchell.
Orangeburg	Orangeburg	264	1	55.8		84	12	28	6	48	4.62		1.30	0	6	17	6	8	w.	U. S. Fisheries Station.
Pinopolis **	Berkeley	54	67	57.8	+0.4	80	12	30	6		4.45	+0.80	1.05	0	10	16	0	15	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	3								6.13		1.73	0	9					William B. Wolfe.
St. George	Dorchester	109	28	^{a}59.2	+1.3	^{a}84	12	31	6	^{a}44	4.41	+0.88	1.01	0	10	15	3	13	sw.	R. S. Weeks.
St. Matthews	Calhoun	62	21	56.4	+0.3	88	12	25	6	52	3.24	−0.28	0.75	0	9	16	10	5	nw.	J. S. Wannamaker.
Society Hill	Darlington	192	25	53.4	−1.8	81	12	25	6	41	3.11	−0.25	1.00	0	16	14	7	10	sw.	A. H. Rogers.
Summerville	Dorchester	75	19	59.6	+0.9	84	12	26	6	43	3.99	+0.56	1.28	0	12	10	21	0	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	14	^{e}60.0	−0.8	^{a}81	†11	^{e}26	6	^{e}49	5.00	+1.14	1.40	0	8	19	3	9		J. N. Frank.
Whitehall (near)	do	4											2.19							Special Rice Exp. Station.
Yemassee	Hampton	24	21	58.6	+0.4	85	12	23	6	49	4.51	+0.94	2.13	0	8	17	0	14	se.	J. G. Hutson.
Division means and	extremes			57.1	−0.1	88	12	23	6	52	3.93	+0.32	2.19	0	9	15	7	9	sw.	
Western Portion.																				
Aiken	Aiken	527	56	57.4	+1.2	84	12	23	6	48	5.29	+1.28	1.16	0	13	17	0	14	ne.	Frank B. McCoy.
Anderson	Anderson	764	21	52.6	−1.8	83	31	20	6	46	8.84	+3.81	1.35	0	15	15	3	13	w.	H. H. Russell.
Batesburg	Lexington	656	28	53.0	−2.1	78	12	25	6	42	5.39	+0.83	1.04	0	10	15	5	11	nw.	E. J. Hite.
Blairs	Fairfield	293	14								4.70	+1.13	0.73	0	15					J. N. Owens.
Calhoun Falls	Abbeville	508	24	51.8		82	12	21	†6	46	7.86	+3.04	1.72	0	11	12	6	13	e.	L. M. Parker.
Camden	Kershaw	222	57								3.43	−0.20	0.90	0	12	17	2	12	ne.	W. C. Brown.
Catawba	York	562	13								5.05	+0.92	0.98	0	14					James C. Faris.
Chappells	Newberry	402	13								6.04	+2.48	1.90	0	9					J. J. Murran.
Clemson College	Oconee	850	25	52.4	+0.5	74	31	22	6	40	10.19	+5.35	1.75	0	15	13	10	8	w.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	30	55.2	+1.2	79	31	29	6	30	2.54	−1.16	0.62	0	11	12	6	13	ne.	U S. Weather Bureau.
Edgefield	Edgefield		3								6.73		1.50	0	10					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	4								5.91	+1.20	1.37	0	16					Harry A. Parshall.
Greenville	Greenville	989	24	49.7	−0.9	78	31	21	6	38	10.79	+5.29	2.76	0	15	13	8	10	sw.	J. H. Woodside.
Greenwood	Greenwood	671	28	50.8	−2.4	78	31	24	6	43	6.55	+2.48	1.19	0	10	11	0	20	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	16	50.4	−3.7	73	15	24	†6	38	3.21	−0.46	0.61	0	8	12	11	8	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	1	52.6		79	31	24	6	43	3.40		0.90	0	13	17	0	14	e.	John W. Hamel.
Landrum	Spartanburg	1063	2	50.2		77	31	19	6	43	11.61		2.72	0	17	13	8	10		R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	18	51.3	−1.8	78	31	21	6	45	10.99	+5.58	3.10	0	14	9	11	11	se.	John T. Boggs.
Little Mountain	Newberry	711	24	^{m}52.4	−3.7	^{m}80	31	^{a}25	6	^{m}43	3.57	−0.30	1.25	0	8	13	1	17	n.	J. M. Sease, M. D.
Meriwether	McCormick	450	14	56.9	+0.1	85	12	23	6	46	4.31	−0.15	1.00	0	9					William S. Middleton.
Monetta	Saluda	400	10	56.6	+0.8	81	31	27	6	43	5.08	+1.21	1.15	0	11	11	13	7	sw.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	2	49.5		74	31	14	6	43	12.42		2.51	T.	15	12	6	13		J. H. Brown.
Newberry	Newberry	502	14	53.6	−1.6	81	31	24	6	42	5.02	+1.17	1.03	0	14	8	8	15	sw.	Warren G. Peterson.
Pelzer	Anderson	850	13								9.56	+4.76	1.82	0	16					Joshua Y. Jones.
Saluda	Saluda	536	16	53.9	−3.3	81	31	21	6	43	5.43	+1.37	1.12	0	11	18	4	9	w.	Mrs. F. V. J. Maxwell
Santuck	Union	512	24	51.7	−1.9	79	31	23	6	43	6.21	+1.75	1.29	0	15	12	8	11	w.	E. W. Jeter.
Spartanburg	Spartanburg	875	34	51.0	−0.4	79	31	23	6	37	9.03	+4.23	2.56	0	14					F. P. Robinson.
Trenton	Edgefield	620	28	55.4	−1.2	81	12	25	6	45	6.59	+2.16	1.74	0	11	16	7	8	sw.	Mrs. S. E. Long.
Walhalla	Oconee	1061	14								11.56	+5.54	2.19	0	16	12	8	11	e.	H. W. Brandt.
White Oak	Fairfield	548	1	53.9	+0.4	81	31	25	6	42	3.78	−0.16	0.83	0	12	16	4	11	s.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	51.0	−2.9	74	31	24	6	39	5.73	+1.78	1.20	0	11	10	13	8	sw.	W. P. Goodman.
Division means and	extremes			52.9	−1.4	85	12	14	6	48	6.61	+2.24	3.10	T.	13	14	6	11	w.	
Section means and	extremes			55.0	+0.4	88	12	14	6	52	5.39	+1.48	3.10	T.	11	14	6	11	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for March, 1917.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ||||	Savannah		1.92	.03		.45			.05														.22	.20	.20	1.33	T.	1.65	T.				6.05
Beaufort	Coast	1.27			.61																	.50			.17		.52	.34					3.41
Blackville ||||	Edisto		.26			.45								.22									.60		.05	.87		.95					3.40
Bowman	do	.10	.90		.52	.10				T.			.48		T.			.07				.71		.28	.64		1.10						4.90
Centenary	Pee Dee	T.	.58	T.		.48			.03				T.					.10			T.	.34		T.	.50		.04	.61					2.68
Charleston ***	Coast	.46	.18		.27	.01		T.	.39				T.					T.			T.	.30		.03	.02		.20	1.19					3.05
Cheraw ||||	Pee Dee	T.	.07	.07	.17	.36								T.		T.			.15		.05	.02	.38		.20	.50		.40	.18				2.55
Conway ||||	Waccamaw	.05	.20	1.20		.42			.10	T.				T.				.12	T.				T.		T.	.98		.55	.45				4.07
Darlington ||||	Pee Dee		.25	.02	T.	1.00			.02					T.	T.				.02				.60		.02	.20		.80	.20				3.13
Edisto ||||	Edisto		1.05	.05		.35			.13					.22									.59	.24		.09		1.23	.35				4.30
Effingham ||||	Lynches		.33	T.	.05	.80																	.28	.07	.12	.32		.68	.12				2.77
Ferguson ||||	Santee		1.20			.98			.10					.20									.80	.20	.10	.98		.70					5.26
Florence 1 ||||	Pee Dee		.42	.03	.06	.62			.16					.03				T.	.08		.04	T.	.41	T.	T.	.30	.22	.34					2.71
Florence 2	do	.20	.30	.02	.38	.12							T.	.12					T.			.55			.32		T.	.52					2.63
Floyd Dale	Little Pee Dee																	T.				.50			.20			.71					
Georgetown	Coast	.65			.35																.25		.35	.25	.75			.85					3.45
Kingstree ||||	Black		.96			.64							.27											.56		.74		.77	.29				4.23
Oaks	do	.04	1.48	.02		.44			.10				.01	.10								.33		.13	1.03			.41					4.09
Orangeburg	Edisto		.65		.65				T.														1.30	.32		.90		.80					4.62
Pinopolis	Cooper			.86	.50				.04				.30					.06				.46		.14	1.05		.54	.50					4.45
Rimini ||||	Santee		1.73	.73		.52			.03					.50									.97	.20		.95		.50					6.13
St. George ||||	Edisto		.90	.02		.80			.01					.01					T.				.45	.12		1.01		.78	.31				4.41
St. Matthews ||||	Santee		.70	.05		.52								.09									.39	.20	.05	.54		.70					3.24
Society Hill ||||	do	.06	.16	.05	.05	.53			.06					.01					.15		.02	.02	.63	.01	.22	.10		1.00	.04				3.11
Summerville	Ashley	T.	.87			.41			.06				T.	.23				.06				.38	.01	.05	.18	.19	.27	1.28					3.99
Walterboro	Ashepoo		1.14		.47	.21																.47		.22	.22		.87	1.40					5.00
Whitehall (near)	Combahee																					.41		.08	.08		.36	2.19					
Yemassee ||||	do				T.	.60			.04	.17													.50	.10		.12		2.13	.85				4.51
Western Portion.																																	
Aiken	Edisto	.21	.23	.29	.75	.07								.29	.03			.04				.51		.83	.67		.21		1.16				5.29
Anderson	Savannah	.86	.38	.80	1.35	.12			.35				.05		.05		.04	.32				.97		.76	1.03		.45	1.31					8.84
Batesburg ||||	Edisto		.69			.82				T.				.18					.23				1.04	.51	.24	.56		.69	.43				5.39
Blairs ||||	Broad		.46	.28	38	.50			.01					.51		.02		.02	.13				.60	.13	.58	.19		.73	.16				4.70
Calhoun Falls ||||	Savannah	.23	1.20	.23	.39	.93										T.			.04			.21	1.12	.96	.83			1.72					7.86
Camden ||||	Wateree	T.	.26		.10	.27								.05							.05	.04	.90	.15	.30	.72		.33	.26				3.43
Catawba ||||	Catawba	.15	.45	.49	.50	.60			.08									.09	.21			.14	.46	.04	.86			.90	.08				5.05
Chappells ||||	Saluda			.30	.40	.70								.20								T.	.97	.63	.74			1.90	.20				6.04
Clemson College	Savannah	1.16	.15	.57	1.40	.16			.22				.50	.03	.10			.78				1.06		1.03	1.75		.09	1.19					10.19
Columbia ***	Congaree	.55	.07	.01	.41			T.	T.				.10		T.			.05				.41	T.	.24	.31		.15	.24					2.54
Edgefield ||||	Savannah		1.50	.05		.98													.20				.80	.75	.40	.70		1.10	.25				6.73
Gaston Shoals ||||	Broad	.52	.06	.30	.31	.16			.25					.11		T.	.02	.43	.24		.02	.45	.33	.04	1.37			1.30	T.				5.91
Greenville ||||	Saluda	1.26	.17	.42	.70	1.34			.16					.21	.05			.61	.24			.52	.48	.55	2.76			1.32					10.79
Greenwood ||||	do		.48	.24	.64	1.19													.30				1.00	.54	.84	.14		1.18					6.55
Heath Spring	Wateree		.22	.38	.58													.18				.58		.10	.56			.61					3.21
Kershaw	Lynches	.32	.11		.07	.45			.03										.16		.08		.50	.03	.60	.15		.75	.15				3.40
Landrum	Broad	1.72	.17	.51	2.72	.14			.42				.24	.03	.04		.02	.95			.03	.61	.02	.66	2.30			1.03					11.61
Liberty	Savannah	.80	.30	.60	1.30	.20			.25			T.	.55		.45		T.	.80				1.02		.40	3.10		.20	1.02					10.99
Little Mountain	Saluda	.33	.20										.22					.11				.62		.31	.53			1.25					3.57
Meriwether	Savannah	T.	T.	.27	1.00								.28		T.			.07				.55		.45	.63		.22	.84					4.31
Monetta	Edisto	1.15	.18	.02	.61	.01							T.					.14				.72		.58	.61		.07	.99					5.08
Mountain Rest	Savannah	.48	.28	.91	2.51	.11		T.	.40				.36	T.	.15		T.	1.19	T.		.05	1.50		1.05	2.12		.31	1.00					12.42
Newberry	Saluda	.18	.40	.20	.65	.03							.36		.02		T.	.28			.02	.70		.40	.65		.10	1.03					5.02
Pelzer ||||	do	.52	.20	.46	.72	1.60			.30					.30	.08	.04		.20	.32		T.	.46	.40	.70	1.82	T.		1.44	T.				9.56
Saluda	do	.39	.30	.16	.71	.05												.18				1.00		.62	.72		.18	1.12					5.43
Santuck	Broad	.32	.68	.48	1.29	.12		.02	.06				.36		.01		T.	.26				.60		.35	.82		.06	.78					6.21
Spartanburg ||||	do	.50	.10	.48	.94	1.20			.24					T.	T.	T.		.32	.30		.02	.33	.43	.23	2.56			1.38					9.03
Trenton	Edisto	1.74	.19	.12	.88	.05			T.				T.					.25				.80	.75		.80		.09	.02					6.59
Walhalla	Savannah	.99	.27	.47	2.19				.39				.61	.02	.18		.01	.99			.04	1.01		1.20	1.97		.24	.98					11.56
White Oak	Broad	.15	.33	.07	.74	.03							.15	T.				.13			.05	.49		.16	.65		T.	.83					3.78
Winthrop College	Catawba	.35	.64	.42	1.20	.10									.35			.35				.45		.15	1.00			.72					5.73

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR MARCH.

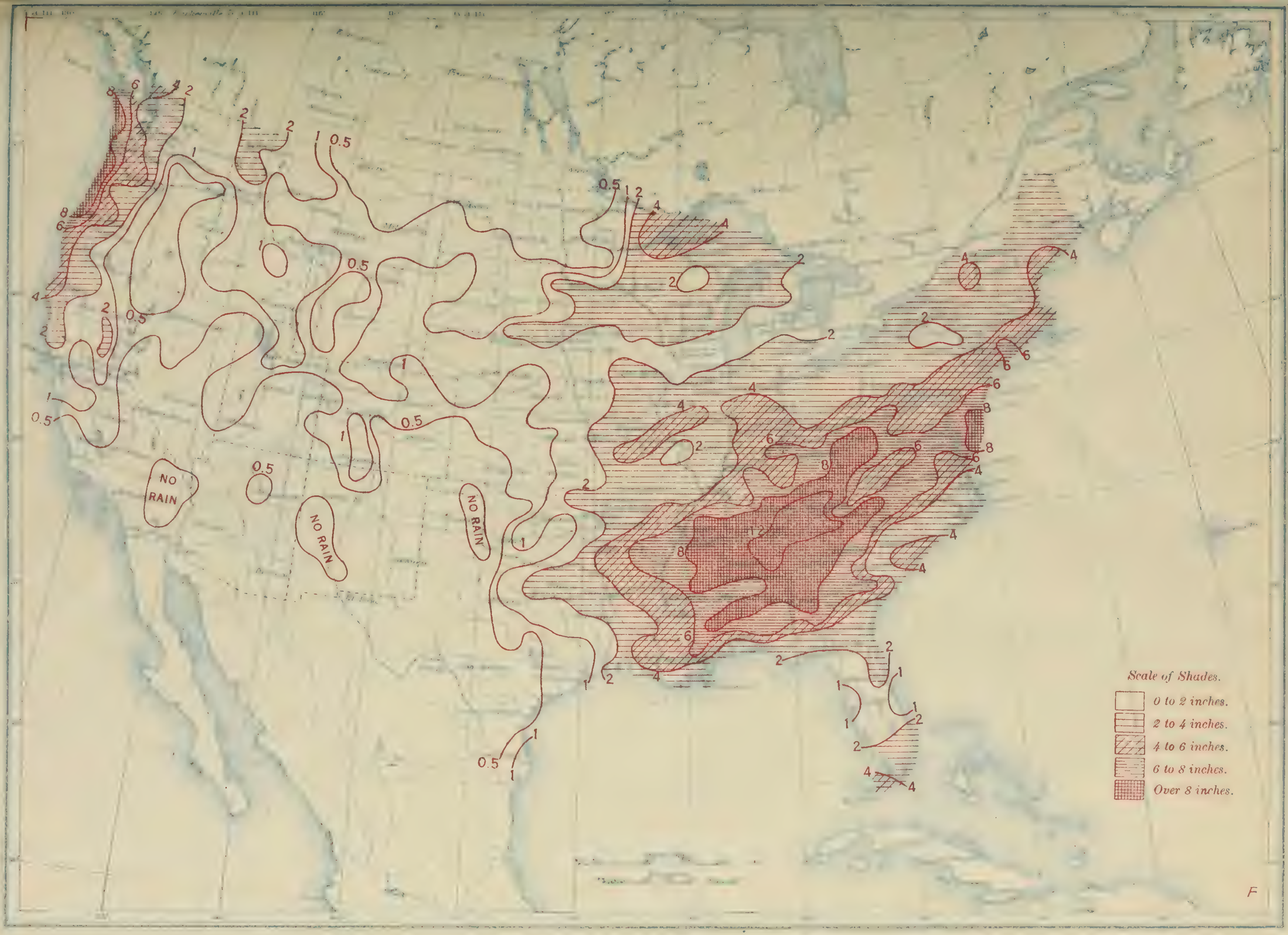
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	51.4	82	23	1.85	7				
1888	52.1	80	19	6.71	9				sw.
1889	51.6	77	20	3.41	7				w.
1890	52.5	85	11	2.96					sw.
1891	50.0	78	20	7.88					ne.
1892	52.8	78	23	3.78					nw.
1893	53.9	85	18	2.22	9	13	9	9	sw.
1894	59.3	90	15	2.08	7	15	11	5	sw.
1895	53.5	90	24	5.71	11	12	8	11	sw.
1896	53.1	93	19	2.12	5	14	10	7	sw.
1897	56.4	92	21	4.54	12	7	9	15	sw.
1898	59.1	92	22	2.99	7	11	9	11	ne.
1899	55.2	89	12	3.89	9	12	10	9	sw.
1900	51.6	79	22	4.22	9	12	8	11	sw.
1901	53.4	86	10	4.36	8	14	8	9	sw.
1902	54.0	86	19	4.08	10	14	7	10	sw.
1903	60.4	84	26	5.92	10	7	9	15	ne.
1904	56.2	87	23	3.42	9	13	9	9	ne.
1905	57.8	93	28	2.15	6	15	6	10	ne.
1906	51.6	82	18	5.34	10	13	6	12	w.
1907	62.0	99	20	1.57	5	15	10	6	sw.
1908	61.4	90	29	4.56	8	15	8	8	sw.
1909	54.1	90	27	4.80	11	14	8	9	sw.
1910	59.4	93	22	1.38	4	21	6	4	sw.
1911	54.9	90	22	2.30	7	17	8	6	w.
1912	53.2	88	15	6.79	10	14	5	12	ne.
1913	56.9	88	22	7.40	10	13	5	13	w.
1914	50.2	91	12	2.59	8	14	9	8	w.
1915	46.3	81	22	2.66	7	15	8	8	nw.
1916	53.7	87	15	2.14	5	19	8	4	sw.
1917	55.0	88	14	5.39	11	14	6	11	sw.
Period	54.6	99	10	3.91	8	14	8	9	sw.

Daily Temperatures for March, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	67	53	80	77	42	55	67	68	61	70	78	84	78	78	77	70	75	59	59	74	77	70	70	68	71	66	72	61	74	72	80	69.5
	Minimum	56	47	47	52	32	27	40	58	37	36	47	47	58	56	56	53	56	45	34	40	54	54	52	54	48	50	52	39	41	50	44	47.2
Beaufort	Maximum	71	62	78	72	64	53	67	69	64	68	74	83	71	75	78	69	72	63	56	72	74	68	69	67	64	65	72	62	72	74	85	69.5
	Minimum	57	52	56	61	35	28	43	54	44	42	50	55	55	55	57	54	56	47	38	47	50	54	54	61	52	52	55	42	46	50	46	49.9
Blackville §	Maximum	64	66	81	82	53	59	69	70	73	74	85	87	79	74	80	72	71	69	74	75	72	73	74	73	74	68	73	72	80	85	86	73.6
	Minimum	40	43	48	40	30	23	36	53	36	32	34	57	55	52	49	56	35	34	30	44	56	51	43	43	43	45	51	37	40	40	41	42.5
Bowman	Maximum	68	45	73	80	60	61	70	68	67	71	78	84	65	72	76	75	75	62	60	73	74	72	69	68	72	70	73	65	75	75	81	70.2
	Minimum	40	42	45	55	30	25	35	45	33	35	40	55	52	48	49	46	50	40	32	42	44	46	48	50	46	45	42	35	39	40	40	42.4
Centenary	Maximum	71	51	65	80	74	56	66	72	66	70	76	82	67	67	76	62	77	65	57	73	68	67	67	68	69	71	75	63	75	69	78	69.1
	Minimum	49	43	45	58	38	29	32	56	34	33	43	56	53	46	46	44	50	44	31	42	52	47	50	57	42	42	59	38	40	42	40	44.5
Charleston	Maximum	75	58	77	73	65	53	64	70	64	61	73	84	66	70	74	62	77	60	52	71	72	60	67	67	65	63	72	59	74	66	68	67.2
	Minimum	56	50	54	65	37	34	47	53	45	45	56	59	54	52	59	54	56	49	38	52	59	56	57	59	53	53	53	45	47	53	52	51.7
Cheraw §§	Maximum	44	43	62	61	44	54	64	68	65	68	74	78	56	64	70	57	60	52	52	70	61	64	67	67	66	68	72	59	74	70	79	63.0
	Minimum	42	40	40	50	36	26	34	56	38	36	45	60	52	45	40	44	45	38	28	42	52	43	50	61	40	40	56	40	44	46	47	43.7
Conway §§	Maximum	60	51	69	....	49	56	65	70	65	68	77	....	59	71	75	69	....	58	57	72	67	67	68	66	71	66	....	61	....	71	74	[c] 65.5
	Minimum	49	45	45	49	39	29	33	49	34	35	44	58	53	47	48	46	50	46	33	41	55	48	52	58	42	49	57	38	43	45	41	45.2
Darlington §§	Maximum	53	45	68	79	48	56	66	71	67	70	77	82	62	67	76	61	66	65	56	72	64	69	68	67	71	65	75	71	76	73	80	67.4
	Minimum	44	41	41	43	35	25	30	45	34	32	44	54	55	46	42	45	49	40	28	39	45	46	49	52	40	41	51	37	42	39	41	41.8
Ferguson §§	Maximum	58	52	80	75	56	60	67	69	72	75	77	80	....	70	73	73	78	....	....	72	73	74	70	72	72	70	74	....	73	73	77	[d] 73.5
	Minimum	....	42	46	48	....	....	....	42	....	....	....	53	53	....	....	....	48	42	....	40	....	....	....	....	50	48	48	....	....	....	....	....
Florence 1 §§	Maximum	49	47	59	80	40	57	70	70	68	72	79	81	61	64	76	62	66	54	61	74	61	72	74	65	75	64	65	61	76	76	78	66.4
	Minimum	46	42	42	44	36	27	29	38	38	35	40	55	55	47	46	47	49	41	28	31	47	46	50	51	42	45	47	38	42	45	45	42.4
Floyd Dale	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Georgetown	Maximum	67	55	76	75	50	57	65	70	60	70	80	85	60	75	75	70	81	60	57	74	64	68	70	69	55	68	72	62	75	71	74	68.1
	Minimum	52	46	48	54	39	27	36	57	37	37	41	60	53	48	50	47	52	47	31	42	51	52	58	55	45	50	48	39	43	46	41	46.2
Kingstree §§	Maximum	59	49	70	80	48	57	66	70	71	72	78	84	62	70	75	68	80	59	58	73	72	70	70	67	71	65	75	62	75	71	80	68.6
	Minimum	52	44	45	48	36	28	32	39	37	37	33	57	54	49	49	49	51	51	32	34	47	50	50	50	45	46	53	38	42	47	42	44.1
Oaks	Maximum	77	63	78	80	70	58	65	68	65	69	77	83	67	70	75	65	83	70	59	....	52	60	....	....	....	....	....	....	....	....	....	....
	Minimum	53	45	48	57	38	29	33	56	35	34	43	57	53	58	50	45	50	46	32	40	41	44	....	57	45	52	55	39	40	43	40	45.3
Orangeburg	Maximum	57	47	70	81	44	56	66	68	66	72	79	84	82	74	75	69	76	58	60	74	74	68	72	67	68	70	74	61	74	71	82	69.0
	Minimum	50	44	44	46	33	28	34	37	35	34	35	44	55	51	50	47	54	43	32	32	48	51	50	51	48	45	49	34	39	41	41	42.7
St. George §§	Maximum	64	52	70	81	46	59	68	63	62	72	79	84	70	75	78	66	78	59	60	75	78	71	69	67	72	65	74	62	74	72	....	[a] 68.8
	Minimum	57	47	50	63	37	31	41	60	39	37	47	57	59	53	56	54	56	47	35	47	59	54	51	63	51	50	61	42	43	47	47	49.7
St. Matthews §§	Maximum	55	48	70	82	49	57	66	71	70	72	80	88	66	71	77	69	68	62	60	75	69	68	68	68	68	66	74	65	73	73	83	68.8
	Minimum	43	43	43	46	30	25	35	52	35	35	45	57	55	50	50	47	51	41	31	38	46	49	50	52	46	44	56	38	40	45	46	44.0
Society Hill §§	Maximum	47	44	66	77	47	54	65	70	66	70	77	81	59	65	74	59	64	57	55	72	63	65	65	67	67	66	75	61	76	71	79	65.3
	Minimum	43	41	41	43	36	25	30	38	35	30	43	58	54	46	41	45	47	37	29	35	46	45	50	52	40	41	51	37	42	43	42	41.5
Summerville	Maximum	70	66	78	77	71	56	69	68	66	70	78	84	69	77	79	66	79	71	59	74	77	69	71	67	72	66	73	64	75	71	78	71.3
	Minimum	58	48	53	60	36	26	39	53	37	35	44	56	56	51	56	52	53	47	33	42	56	54	51	64	50	49	59	40	42	45	43	48.0
Walterboro	Maximum	...	72	78	80	65	69	69	69	73	72	81	87	76	81	80	71	81	63	61	76	78	72	70	70	69	69	74	74	74	76	73	[a] 73.4
	Minimum	..	49	53	57	35	26	39	59	33	32	42	42	52	52	58	52	55	46	33	41	41	54	45	64	46	49	59	...	....	....	...	[c] 46.7
Yemassee §§	Maximum	70	59	82	82	46	58	68	67	67	72	79	85	74	80	81	73	77	50	60	75	79	71	72	70	74	69	73	61	75	73	79	71.0
	Minimum	58	49	56	56	33	23	40	58	33	34	45	52	55	53	54	51	53	44	33	44	56	50	51	53	48	47	49	36	40	40	39	46.2
Western Portion.																																	
Aiken	Maximum	76	48	65	76	63	54	64	67	66	71	77	84	75	73	76	73	67	62	58	73	70	69	67	68	69	63	68	61	74	73	82	68.8
	Minimum	46	42	44	60	28	23	38	53	36	39	46	57	56	53	47	53	53	40	33	45	57	50	48	62	46	48	56	34	41	45	49	46.1
Anderson	Maximum	58	49	52	57	50	55	50	68	68	75	80	82	64	69	72	66	66	57	60	70	78	69	62	74	73	65	68	64	78	81	83	66.5
	Minimum	38	37	37	42	25	20	29	42	35	35	41	54	48	40	35	43	39	31	26	39	49	44	42	48	44	43	39	32	39	40	44	38.8
Batesburg §§	Maximum	45	44	73	72	41	51	57	63	63	66	76	78	71	67	71	65	67	54	56	70	64	66	67	66	67	62	67	59	72	71	71	63.9
	Minimum	45	41	41	43	30	25	26	38	36	35	42	52	56	51	48	43	53	42	31	34	44	48	46	50	46	47	48	36	39	44	42	42.0
Calhoun Falls	Maximum	45	43	58	65	41	57	56	65	68	70	78	82	69	65	74	58	64	56	59	72	69	69	67	71	70	56	63	63	73	74	81	64.5
	Minimum	42	41	41	42	29	21	21	34	35	31	32	45	54	46	40	39	44	37	28	29	46	47	45	48	48	48	48	34	35	43	42	39.2
Camden §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clemson College	Maximum	72	49	49	52	50	48	48	65	68	63	72	71	61	67	68	68	64	62	52	65	67	66	62	67	66	64	59	58	70	69	74	62.5
	Minimum	44	43	42	48	31	22	28	45	39	32	42	58	52	48	40	46	45	39	30	44	52	45	46	49	48	43	51	35	42	45	41	42.4
Columbia	Maximum	50	45	64	76	48	52	62	66	63	69	75	74	64	69	70	63	63	53	54	70	64	66	67	67	67	60	70	60	75	71	79	64.4
	Minimum	45	41	42	48	32	29	37	51	39	39	49	59	54	49	48	51	52	42	34	46	57	49	50	54	48	47	47	42	45	50	49	46.0
Greenville §§	Maximum	48	42	48	45	45	53	49	65	67	68	76	67	55	67	70	57	67	55	54	70	65	66	61	70	67	59	65	62	76	74	78	61.6
	Minimum	39	39	38	39	29	21	25	30	29	31	39	52	53	44	37	41	40	35	27	32	44	41	43	44	44	42	49	30	37	37	41	37.8
Greenwood §§	Maximum	44	43	60	65	40	53	56	62	61	68	75	76	64	63	70	60	62	54	57	68	66	67	65	68	67	60	65	60	70	70	78	62.6
	Minimum	41	39	39	40	28	24	25	32	35	32	32	49	54	46	41	43	42	36	28	29	45	46	44	46	45	43	45	35	36	42	45	38.9
Heath Spring	Maximum	65	44	44	56	62	51	59	58	60	66	66	71	60	65	73	66	58	56	52	57	58	62	62	60	63	69	71	72	68	68	71	61.7
	Minimum	40	38	38	31	39	24	24	39	38	39	39	46	52	50	44	49	43	36	25	28	40	42	42	47	41	40	42	42	36	36	42	39.1
Kershaw §§	Maximum	47	45	64	75	43	52	61	69	65	69	76	76	62	65	72	60	66	56	57	70	64	66	64	66	68	68	72	60	74	70	79	64.5
	Minimum	41	39	39	41	32	24	30	36	37	40	46	52	53	46	44	48	46	36	26	33	44	42	43	49	41	41	49	35	46	40	45	40.8
Landrum	Maximum	47	46	45	45	41	49	45	64	62	62	73	69	59	65	68	61	66	59	52	68	66	63	58	67	65	62	62	60	74	72	77	60.4
	Minimum	39	40	38	41	30	19	23	41	39	30	46	59	48	43	47	45	40	32	29	40	50	39	44	47	41	37	46	37	36	48	45	40.0
Liberty	Maximum	70	46	48	48	45	52	48	61	66	66	75	70	60	68	66	60	65	52	53	68	66	66	59	69	68	61	60	60	74	75	78	62.0
	Minimum	41	40	40	45	28	21	26	45	40	30	46	59	51	46	39	46	42	37	29	42	30	46	46	45	44	43	48	36	42	42	45	40.6
Little Mountain	Maximum	69	44	60	72	50	55	59	60	65	....	....	71	....	60	....	....	....	54	...	...	60	60	62	....	63	58	....	60	...	...	...	[m] 62.6
	Minimum	42	39	44	50	29	25	36	36	36	35	36	39	39	45	35	...	44	38	30	45	43	45	46	55	56	48	45	36	45	45	49	[a] 41.2
Meriwether	Maximum	75	48	62	76	63	56	64	66	68	72	78	85	81	69	75	71	65	58	60	74	71	71	71	71	71	59	67	64	75	77	84	69.3
	Minimum	45	42	44	56	29	23	30	52	34	32	47	53	54	54	45	50	49	38	27	44	56	46	60	61	48	45	54	33	39	42	48	44.5
Monetta	Maximum	73	45	64	73	61	56	61	64	63	70	76	80	77	68	73	67	64	59	58	70	68	68	66	66	68	66	68	59	74	74	81	67.1
	Minimum	44	41	43	58	30	27	34	53	37	39	47	58	56	53	52	51	51	41	32	45	56	49	47	61	48	48	56	36	43	46	48	46.1
Mountain Rest	Maximum	58	44	52	54	46	49	45	58	52	62	73	67	59	70	70	69	62	51	50	67	69	63	55	70	62	55	58	57	72	70	74	60.1
	Minimum	41	38	38	46	24	14	25	43	40	30	43	57	48	45	39	45	42	33	25	38	48	37	44	51	41	42	45	30	29	44	40	38.9
Newberry	Maximum	68	45	51	71	53	54	59	65	65	71	78	77	63	63	70	61	64	56	57	70	64	66	65	67	65	61	69	60	73	72	81	64.6
	Minimum	41	40	40	47	30	24	30	39	31	33	46	57	55	48	42	48	44	36	29	43	53	46	48	60	50	41	53	38	43	39	44	42.5
Saluda	Maximum	70	45	55	73	63	57	61	67	67	70	77	80	71	68	70	72	58	58	58	71	64	70	68	70	71	60	67	62	75	75	81	66.9
	Minimum	43	40	42	51	30	21	27	47	29	29	42	55	52	50	40	39	38	37	26	43	51	44	46	61	41	40	53	32	40	35	45	40.9
Santuck	Maximum	48	45	48	47	43	52	59	65	63	69	75	71	62	63	72	61	62	57	60	70	65	66	63	66	67	64	69	61	73	73	79	62.5
	Minimum	39	39	39	41	31	23	27	46	35	31	45	56	52	41	38	45	41	35	27	40	50	44	46	57	43	40	49	39	41	45	42	40.9
Spartanburg §§	Maximum	45	41	46	43	40	52	51	64	64	67	74	71	71	66	70	57	65	53	53	69	64	66	61	70	67	59	66	61	65	75	79	61.1
	Minimum	38	37	37	38	32	23	25	31	36	34	37	47	53	43	39	40	40	35	29	32	43	41	44	44	43	41	43	37	41	40	43	40.9
Trenton	Maximum	69	45	61	73	62	54	62	63	64	68	75	81	75	66	66	73	63	56	58	70	63	68	67	67	69	58	64	60	72	74	80	66.0
	Minimum	43	41	43	58	28	25	35	45	38	38	46	59	55	52	50	46	50	39	29	44	56	48	46	61	46	46	52	35	42	46	45	44.7
White Oak	Maximum	70	43	50	73	60	55	61	65	64	69	75	75	62	63	68	70	62	56	54	69	69	66	64	65	67	64	68	60	72	71	81	64.9
	Minimum	40	39	40	45	31	25	31	54	39	38	48	58	54	47	46	49	50	35	29	41	41	44	46	52	42	42	53	37	41	47	45	42.9
Winthrop College	Maximum	46	42	47	48	40	49	55	59	60	61	70	70	64	59	65	65	60	60	48	65	64	63	62	63	64	64	62	57	69	69	74	59.5
	Minimum	38	39	38	39	33	24	30	55	38	35	61	59	52	44	44	46	40	35	26	42	51	44	48	56	42	41	55	35	41	42	46	42.5

Reference letters, (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing: For example, ^{b} represents two days missing, etc

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
NO RAIN
NO RAIN
F

.05
SC

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

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CLIMATOLOGICAL DATA

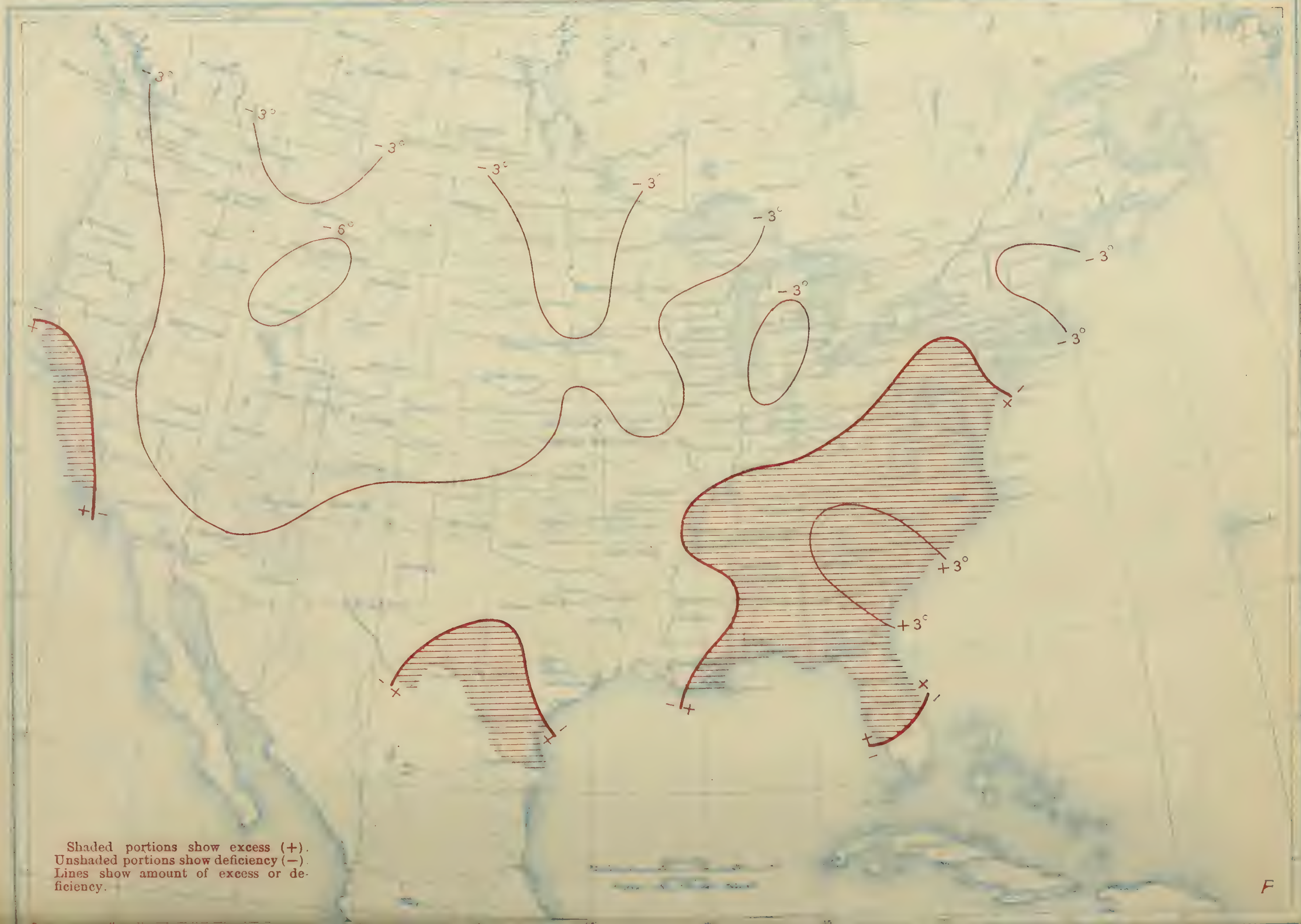
SOUTH CAROLINA SECTION

APRIL, 1917

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
June 7, 1917

Departure of the Mean Temperature from the Normal, April, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (–).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN. Meteorologist.

Vol. XX. Columbia, S. C., April, 1917. No. 4.

GENERAL SUMMARY.

The temperature during April averaged considerable above normal, due principally to warmer days than usual for the season, and killing frosts occurred only in the northwestern counties and were confined to the early part of the month. While the precipitation ranged somewhat above normal, the heavy to excessive rains of the first half were followed by a long period of semi-drought, with only light and scattered rainfall.

The wet condition of the soil at the beginning of the month retarded spring land preparation, but the seeding of all crops proceeded rapidly after the dry weather set in, and with greater seasonal regularity than for several years past. Early cotton came to good stands by May 1, and chopping was in progress northward over the lower Piedmont. Early corn germinated well, and cultivation was well advanced, with a large acreage still to be planted. Wheat had improved materially, but toward the close of the month the crop had become rather thin under drought and was heading short. Oats, which suffered most from the winter freezes, was slowly deteriorating, but there were some very fine stands of rye. Tobacco transplanting was nearing completion toward the close of the month, and plants were plentiful. Much of the winter-killed truck land was turned to white potatoes, and a large portion of the old oat acreage will be planted to corn. The general fruit situation was promising, and fine strawberries were marketed. Pastures and meadows continued short on account of lack of timely rains. The land preparation indicated a largely increased acreage of foodstuffs this season.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 29.99 inches. The highest pressure in the region covered by reports was 30.43 inches at Wilmington, N. C., on the 4th, and in the Section proper, 30.37 inches at Columbia on the same date; lowest pressure, 29.35 inches at Charlotte, N. C., on the 5th, and in the Section proper, 29.43 inches, at Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 41 stations, was 64.9°, or 2.5° above the established normal. The highest temperature was 96° at Florence No. 1, Florence County, on the 19th and 20th. The warmest periods of the month were between the 17th and 21st and during the last few days. The lowest temperature was 28° at Mountain Rest, Oconee County, on the 10th. The coolest period of the month was between the 7th and 11th, when the latest spring killing frosts occurred in the northwestern counties.

HUMIDITY.

The mean relative humidity, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 73%; 8 p.m., 60%. The highest percentages occurred over the extreme eastern and extreme southern coast districts, and the lowest, over the north-central counties.

PRECIPITATION.

The average for the Section, 58 stations reporting, was 3.34 inches, or 0.56 inch above the established normal. Practically the entire effective precipitation of the month for cultivating and growing purposes occurred during the first decade and on the 13th and 14th; after the latter date the rainfall was generally scattered and insufficient in amount, and the accumulated excess of the early part of the month progressively decreased. On the whole, the amounts were near or above normal over the northwestern half of the State, except a narrow strip running from Abbeville County eastward; in an extensive area of the coastal plain, the amounts were below normal and ranged downward to less than one inch in Charleston County. The greatest local monthly amount was 4.57 inches at Walterboro, Colleton County; least monthly amount, 0.97 inch at Charleston. The greatest 24-hour amount at any station was 2.85 inches at Heath Spring, Lancaster County, on the 5th. The number of rainy days was normal.

No snow occurred at any station during the month.

WIND.

The prevailing wind was from the southwest. The average hourly velocity, determined from 7 anemometer records, was 8.9 miles. The highest average velocity in the region covered by reports was 11.3 miles per hour at Charlotte, N. C.; lowest average, 5.5 miles at Augusta, Ga. In the Section proper the average velocities were 10.9 miles per hour at Charleston and 7.5 miles per hour at Columbia. The highest velocity for any 5-minute period was 60 miles per hour from the southwest at Charlotte, N. C., on the 30th, and in the Section proper, 46 miles per hour from the southwest atColumbia on the 5th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 298.9 hours, or 76% of the possible amount. The average number of clear days was 20; partly cloudy, 6, and cloudy, 4, as against normals of 15, 8, and 7 days, respectively.

RIVER CONDITIONS.

Moderate freshets occurred in all the rivers above the Santee subsequent to the heavy rains over the upper reaches up to April 5, prolonging the flood still running in the Santee River, the water finally falling below flood stage at Ferguson by the 23d. Unavoidable losses incident to the freshets of late March and early April approximated $23,385, while the value of movable property saved by timely warnings of the Weather Bureau was conservatively estimated at $53,500.

MISCELLANEOUS DATA FOR MARCH, 1917.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	29.98	56.8	84	30	2.80	1.17	8.7	nw.	71	47	68
Augusta, Ga.......	29.98	67.0	91	41	4.43	2.56	5.5	se.	79	66	77
Charleston, S. C...	30.00	67.2	92	45	0.97	0.50	10.9	s.	72	73	87
Charlotte, N. C ...	29.98	62.3	89	36	2.54	1.11	11.3	sw.	72	49	74
Columbia, S. C....	29.97	65.8	91	39	2.82	1.20	7.5	sw.	67	45	77
Savannah, Ga.....	30.00	68.8	91	47	1.92	0.67	10.3	sw.	76	70	82
Wilmington, N. C.	20.99	63.4	90	38	2.55	0.94	8.1	w.	77	70	70
Means and extremes......	29.99	64.5	92	30	2.58	2.56	8.9	sw.	73	60	76

Climatological Data for April, 1917.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	28	67.4	+3.4	92	20	42	10	35	2.55	+0.09	0.98	0	7	19	8	3	se.	R. B. Vance.
Beaufort	Beaufort	21	30	67.2	+2.4	90	20	43	10	32	1.98	−0.38	0.86	0	4	19	9	2	se.	Miss Lillian H. Rice.
Blackville	Barnwell	296	28	66.6	+2.7	94	†19	35	7	38	3.67	+0.37	1.02	0	6	22	5	3		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	16	64.8	+1.3	93	20	36	10	44	2.89	−0.59	1.24	0	6	21	7	2	sw.	B. O. Evans.
Centenary	Marion	43	2	65.2		95	20	33	10	46	2.01		0.75	0	9	16	9	5	sw.	D. L. Carmichael.
Charleston	Charleston	48	46	67.2	+3.4	92	20	45	10	28	0.97	−2.02	0.50	0	6	18	10	2	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	27	64.3	+3.2	91	19	35	10	28	3.42	+0.64	1.22	0	8					J. H. Powe.
Conway	Horry	25	31					34	10		2.65	−0.26	1.60	0	7					Paul Quattlebaum.
Darlington	Darlington	175	22	65.1	+3.4	93	19	32	10	41	3.90	+0.75	1.18	0	7	17	2	11		D. C. McCall.
Edisto ‡‡	Bamberg	143	29								2.83	−0.79	0.85	0	7					Nathan Jenkins.
Effingham	Florence	106	24								3.45	+0.27	0.93	0	8					H. B. McCall.
Ferguson	Orangeburg	63	31			91	20				3.97	+1.17	1.05	0	6					Joseph P. Simons.
Florence 1	Florence	136	28	65.5	+3.6	96	†19	36	10	41	3.19	+0.29	0.98	0	8	22	1	7	sw.	H. K. Gilbert.
Florence 2	do	136	2								2.79	−0.11	0.85	0	6	22	6	2	sw.	Pee Dee Experiment Sta.
Floyd Dale	Dillon	168																		H. B. Floyd.
Georgetown	Georgetown	12	22	66.6	+3.1	95	21	37	10	41	1.90	−1.40	0.75	0	4	17	11	2	s.	A. P. Hazard.
Kingstree	Williamsburg	54	28	65.7	+3.2	94	20	36	10	38	2.96	+0.15	1.15	0	5	23	2	5	w.	A. O. Matthews.
Oaks ††	Georgetown		2	^{f}66.3		^{f}93	†20	34	10	^{f}42	2.76		1.48	0	9	14	14	2	s.	O. M. Mitchell.
Orangeburg	Orangeburg	264	1	66.1		94	19	36	10	40	3.45		1.00	0	6	21	2	7		U. S. Fisheries Station.
Pinopolis **	Berkeley	54	67	62.8	+0.4	87	21	42	† 7		4.05	+1.08	1.56	0	7	21	0	9		Miss E. P. Ravenel.
Rimini	Clarendon	97	3								2.53		0.80	0	8					William B. Wolfe.
St. George	Dorchester	109	28	67.9	+4.3	94	20	41	10	34	2.79	−0.22	1.07	0	9	23	1	6	sw.	R. S. Weeks.
St. Matthews	Calhoun	62	21	67.2	+4.7	95	†19	37	7	36	3.44	+0.20	1.05	0	7	21	5	4	e.	J. S. Wannamaker.
Society Hill	Darlington	192	25	^{b}64.5	+2.7	^{b}94	19	^{b}34	10	^{b}40	3.26	−0.03	1.03	0	7	20	3	7	s.	A. H. Rogers.
Summerville	Dorchester	75	19	66.4	+3.1	92	20	39	7	38	2.95	−0.53	1.33	0	7	18	12	0	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	14			^{a}95	20				4.57	+1.24	1.61	0	9	19	7	4		J. N. Frank.
Whitehall (near)	do	4									3.02		0.99	0	9	24	3	3	sw.	Special Rice Exp. Station.
Yemassee	Hampton	24	21	65.6	+1.8	91	†20	37	7	42	2.76	−0.21	0.94	0	8	23	3	4	se.	J. G. Hutson.
Division means and	extremes			65.8	+2.8	96	†19	32	10	46	2.99	−0.07	1.61	0	7	20	6	4	sw.	
Western Portion.																				
Aiken	Aiken	527	56	66.9	+3.6	91	†19	37	7	37	4.04	+0.92	2.23	0	6	25	0	5	sw.	Frank B. McCoy.
Anderson	Anderson	764	21	^{c}66.0	+4.7	^{c}94	†19	^{a}35	10	^{c}43	4.25	+0.98	2.36	0	11	22	0	8	w.	H. H. Russell.
Batesburg	Lexington	656	28	65.3	+3.8	90	19	37	10	36	3.75	+0.84	1.31	0	6	23	3	4	nw.	E. J. Hite.
Blairs	Fairfield	293	14								2.70	+0.68	1.75	0	5					J. N. Owens.
Calhoun Falls	Abbeville	508	24	64.3		92	19	34	†7	40	2.96	0.62	1.97	0	7	15	12	3	sw.	L. M. Parker.
Camden	Kershaw	222	57								4.32	+1.21	1.89	0	5	20	6	4	sw.	W. C. Brown.
Catawba	York	562	13								3.18	+0.78	2.05	0	5					James C. Faris.
Chappells	Newberry	402	13								2.80	+0.60	1.80	0	5					J. J. Murran.
Clemson College	Oconee	850	25	62.5	+3.1	84	†18	34	10	39	3.71	−0.07	2.01	0	7	20	8	2	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	30	65.8	+3.0	91	19	39	6	32	2.82	−0.04	1.20	0	8	18	9	3	sw.	U. S. Weather Bureau.
Edgefield	Edgefield		3								4.18		1.80	0	6					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	4								3.21	−0.01	2.49	0	5					Harry A. Parshall.
Greenville	Greenville	989	24	62.6	+5.2	94	19	31	7	43	3.98	+0.30	2.08	0	8	17	7	6	sw.	J. H. Woodside.
Greenwood	Greenwood	671	28	63.7	+3.0	90	19	35	10	37	2.80	−0.13	1.70	0	6	24	0	6	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	16	60.9	+0.5	90	29	30	11	39	4.43	+1.50	2.85	0	4	21	4	5	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	1	64.8		95	19	34	7	39	3.80		1.89	0	8	23	0	7	w.	John W. Hamel.
Landrum	Spartanburg	1063	2	62.6		91	19	38	14	44	3.99		2.51	0	9	17	11	2		R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	18	63.9	+3.6	90	19	34	10	44	4.25	−0.38	1.85	0	9	14	14	2	sw.	John T. Boggs.
Little Mountain	Newberry	711	24					^{l}39	10		3.21	+0.04	2.30	0	4	21	2	7	w.	J. M. Sease, M. D.
Meriwether	McCormick	450	14	^{c}66.0	+3.5	^{c}93	19	^{l}36	†7	^{c}45	3.88	+0.95	2.48	0	5					William S. Middleton.
Monetta	Saluda	400	10	66.6	+2.6	91	†19	40	10	38	3.88	+1.25	2.54	0	8	16	13	1	w.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	2	58.8		87	19	28	10	48	4.42		2.30	0	8	21	1	8		J. H. Brown.
Newberry	Newberry	502	14	64.8	+2.8	94	19	34	10	44	3.02	+0.25	2.05	0	9	9	15	6	sw.	Warren G. Peterson.
Pelzer	Anderson	850	13								4.32	+0.78	2.60	0	8					Joshua Y. Jones.
Saluda	Saluda	536	16	64.4	+1.9	95	22	32	†7	46	3.13	+0.66	2.10	0	5	24	3	3	sw.	Mrs. F. V. J. Maxwell
Santuck	Union	512	24	64.1	+3.9	93	19	32	10	46	3.17	−0.11	2.20	0	7	20	6	4	w.	E. W. Jeter.
Spartanburg	Spartanburg	875	34	62.9	+3.0	93	19	33	10	46	3.87	+0.63	2.55	0	6					F. P. Robinson.
Trenton	Edgefield	620	28	66.2	+3.6	89	28	39	†7	38	3.75	+0.42	2.68	0	4	22	5	3	sw.	Mrs. S. E. Long.
Walhalla	Oconee	1061	14								4.23	−0.39	2.30	0	10	17	9	4	w.	H. W. Brandt.
White Oak	Fairfield	548	1	65.4	+4.3	92	19	35	10	42	3.44	+0.80	2.18	0	3	21	7	2	sw.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	63.4	+2.9	87	†20	33	10	36	3.15	+0.13	1.50	0	3	18	9	6	nw.	W. P. Goodman.
Division means and	extremes			64.2	+3.2	95	†19	28	10	48	3.64	+0.38	2.85	0	6	20	6	4	sw.	
Section means and	extremes			64.9	+2.5	96	†19	28	10	48	3.34	+0.56	2.85	0	7	20	6	4	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for April, 1917.

Stations.	Watersheds.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ‖‖	Savannah			.32		.40	.05			.98				T.	.70												.07				.03		2.55
Beaufort	Coast			.14					.86				.65									.33											1.98
Blackville ‖‖	Edisto					.95	.21			.80				.20	1.02									.44			.05						3.67
Bowman	do			.12		.38			1.24					.39	.06							T.	.70										2.89
Centenary	Pee Dee			T.		.75			.18	.07				.19								.35	.04	.06		.25	T.			.12			2.01
Charleston ***	Coast			.02	T.	.09			.28	.08				.10	.40																		0.97
Cheraw ‖‖	Pee Dee					.88	.46			1.22				.03	.70									.02		T.	.04			T.	.07		3.42
Conway ‖‖	Waccamaw			T.		1.05	.55			.45					.19								.08	T.			T.	.13			.20		2.65
Darlington ‖‖	Pee Dee			T.		.75	.20			.65				.25	.75									1.18							.12		3.90
Edisto ‖‖	Edisto			.23		.60	.10			.85					.70									.23			.12						2.83
Effingham ‖‖	Lynches			.04		.90	.27			.93					.65									.27		.32					.07		3.45
Ferguson ‖‖	Santee					1.05			.92						.90						.55		.05				.50						3.97
Florence 1 ‖‖	Pee Dee			.06		.73	.16			.98					.49								.04	.62			T.				.11		3.19
Florence 2	do					.71			.85	.02				.36								.05	.80								T.		2.79
Floyd Dale	Little Pee Dee																																....
Georgetown	Coast			.20		.75			.75						.20						T.	T.	T.							T.			1.90
Kingstree ‖‖	Black					1.15				.97					.50								.14				.20						2.96
Oaks	do	.04	1.48	.20		.01			.65					.18	.12							.01				.07							2.76
Orangeburg	Edisto			.15		.85	.15			.90					.40									1.00			T.						3.45
Pinopolis	Cooper			.07		1.56			.68				.30	.35									.87			.22							4.05
Rimini ‖‖	Santee			.13		.63	.14			.80				.02	.29									.47			.05						2.53
St. George ‖‖	Edisto			.07		1.04	.03			.55				.03	.50								.25	.19			.13						2.79
St. Matthews ‖‖	Santee			.08		.80	.49			1.05				.66		.16								.20									3.44
Society Hill ‖‖	do						.90			1.03				.21	.62									.46			.01				.03		3.26
Summerville	Ashley			.21		1.33			.73					.30	.20								.02			.16							2.95
Walterboro	Ashepoo			.18		1.15			1.61	.06				.18	.56							.11		.11		.61	T.						4.57
Whitehall (near)	Combahee			.23		.99			.79					.23	.08							.54	.06			.08					.02		3.02
Yemassee ‖‖	do			.16	.04	.15	.79			.55				T.	.17								.12	T.			.78						2.76
Western Portion.																																	
Aiken	Edisto					2.23			.48	.04				.53	.72											.04							4.04
Anderson	Savannah		.12		.32	2.04	.03		.27	.07				.42								.07					.59			.22	.10		4.25
Batesburg ‖‖	Edisto					1.31	1.23			.59				.32	.19								T.				T.				.11		3.75
Blairs ‖‖	Broad					1.75	.40			.37				.21	.06																		2.79
Calhoun Falls ‖‖	Savannah			.03		1.97	.13			.47				T.									.04				.22				.10		2.96
Camden ‖‖	Wateree					.54	.78			.99				.10	1.89								T.	.02									4.32
Catawba ‖‖	Catawba					1.68	.37			.72				.28	.13																		3.18
Chappells ‖‖	Saluda					1.60	.20			.60				.20									.20				T.				T.		2.80
Clemson College	Savannah		.13			2.01			.27					.93	.03												.30			.04			3.71
Columbia ***	Congaree		T.		.33	.87			.65	.01				.53	T.							.01	.41			.01					T.		2.82
Edgefield ‖‖	Savannah					1.80	.82			.45				.74	.17																.20		4.18
Gaston Shoals ‖‖	Broad			T.		2.16	.33							.30									T.				.16	T.			.26		3.21
Greenville ‖‖	Saluda			.04		2.08	.46			.46				.21	.40												.27				.06		3.98
Greenwood ‖‖	do					1.70				.69				.12	.03								.16				.10						2.80
Heath Spring	Wateree					2.85			.90					.65												.03							4.43
Kershaw	Lynches					1.30	.59			.89				.18	.38									.11		.02					.33		3.80
Landrum	Broad		.07		.11	2.51			.48					.23					.06								.28			.13	.12		3.99
Liberty	Savannah		.25		.20	1.85			.85					.25								T.		T.	T.	.01	.50			.04	.30		4.25
Little Mountain	Saluda					2.30			.54					.35								.02								T.			3.21
Meriwether	Savannah		.13			2.48			.30	.04				.93								T.				T.				T.			3.88
Monetta	Edisto		.02			2.54			.47	.03				.37	.15							.02									.28		3.88
Mountain Rest	Savannah		.08		.25	2.30			.20					.26													.50			.43	.40		4.42
Newberry	Saluda		.01		.01	2.05			.32	.16				.43								.01				.02	.01						3.02
Pelzer ‖‖	do		.04	.02		2.28	.32			.50				.70	.02												.44				T.		4.32
Saluda	do					2.10			.45	.10			.45	.03																			3.13
Santuck	Broad		T.		.03	2.20			.34					.40								.12					.04				.04		3.17
Spartanburg ‖‖	do			T.		2.55	.44			.43				.28	.02								T.				.15			T.	T.		3.87
Trenton	Edisto				T.	2.68			.49					.18											T.	T.					.40		3.75
Walhalla	Savannah		.09		.34	2.30			.18	.09				.44								.02				T.	.41			.24	.12		4.23
White Oak	Broad					2.18			.58					.68																			3.44
Winthrop College	Catawba					1.90			.80					.45																			3.15

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR APRIL.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.	Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.			Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	62.3	94	28	2.09	5					1904	59.2	89	21	1.34	6	14	8	8	sw.
1888	64.6	95	31	1.33	4				sw.	1905	62.8	92	25	3.83	9	15	8	7	sw.
1889	62.4	93	30	2.01	6				ne.	1906	65.1	93	28	1.39	4	20	6	4	sw.
1890	62.8	91	31	2.02	6				sw.	1907	56.4	89	20	4.40	10	10	13	7	sw.
1891	63.2	92	26	1.66					sw.	1908	66.6	95	31	4.75	9	11	10	9	sw.
1892	62.8	88	29	1.13					nw	1909	63.9	96	30	2.95	7	14	9	7	sw.
1893	66.7	94	34	1.30	5	15	10	5	sw.	1910	63.4	95	32	1.71	5	15	10	5	sw.
1894	62.6	95	30	2.01	6	15	10	5	sw.	1911	61.6	91	30	2.95	8	12	9	9	ne.
1895	61.4	94	28	5.55	10	12	9	9	sw.	1912	64.3	91	32	4.24	9	14	5	11	sw.
1896	66.9	98	30	1.31	4	14	11	5	sw.	1913	61.2	90	30	2.00	6	20	4	6	sw.
1897	62.2	95	31	3.24	9	16	6	8	sw.	1914	63.7	98	30	2.86	7	14	10	6	w.
1898	58.0	92	26	5.05	8	16	7	7	sw.	1915	63.1	96	25	1.47	4	20	6	4	w.
1899	60.0	91	27	3.02	7	12	9	9	n	1916	61.6	93	24	1.79	5	18	8	4	w.
1900	62.4	90	24	5.41	9	12	9	9	ne.	1917	64.9	96	28	3.34	7	20	6	4	sw.
1901	56.0	89	30	5.03	7	15	6	9	nw.										
1902	60.4	91	24	2.18	7	15	9	6	w.	Period	62.4	98	20	2.78	7	15	8	7	sw.
1903	60.4	88	26	2.95	8	14	9	7	w.										

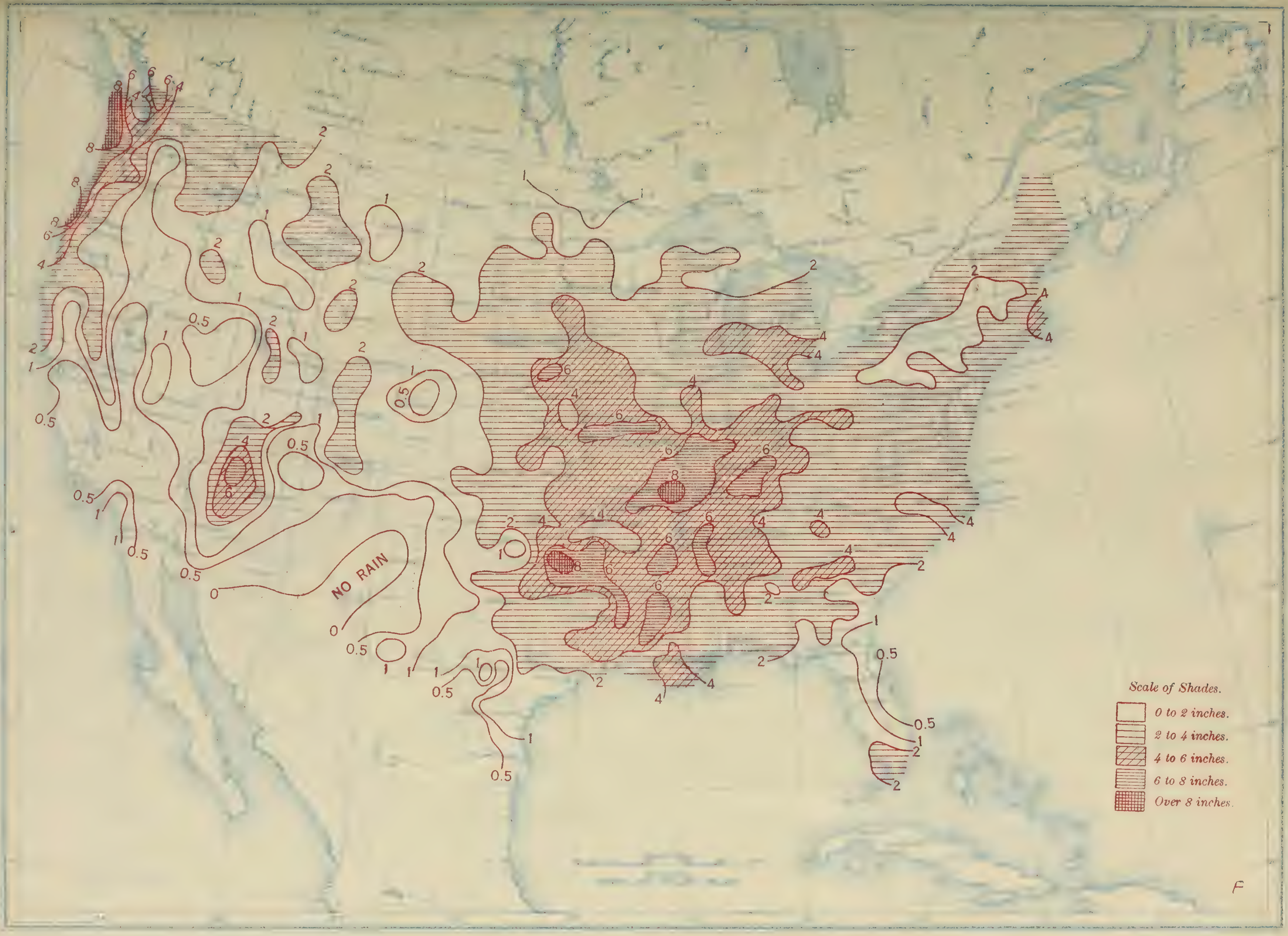
Daily Temperatures for April, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	81	83	75	72	76	66	72	66	63	67	78	82	75	66	75	82	86	88	90	92	82	86	84	87	74	85	90	90	91	91	....	79.8
	Minimum	51	57	57	51	55	47	44	47	48	42	46	55	62	47	46	49	54	59	62	57	64	62	58	55	61	56	62	62	67	63	....	54.9
Beaufort	Maximum	78	81	75	71	75	63	68	69	62	65	74	71	64	71	75	78	82	84	88	90	88	84	85	86	80	80	88	88	89	88	....	78.0
	Minimum	56	62	55	53	55	55	54	50	50	43	47	60	47	48	50	50	53	60	61	60	60	60	59	60	62	57	64	67	68	64	....	56.3
Blackville §	Maximum	86	68	67	74	74	70	74	73	66	70	81	82	84	69	77	85	89	90	94	94	86	86	85	91	77	87	92	93	94	94	....	81.7
	Minimum	56	61	50	48	56	43	35	37	36	37	43	52	51	44	44	49	52	54	61	56	60	61	56	55	58	55	54	62	62	61	....	51.6
Bowman	Maximum	85	84	80	75	70	68	72	69	67	68	75	80	70	75	77	85	88	89	92	93	89	82	83	82	68	85	91	90	87	92	....	80.4
	Minimum	46	48	51	50	48	42	37	48	42	36	45	47	48	45	42	44	46	51	53	54	55	57	52	52	52	53	54	55	60	60	....	49.1
Centenary	Maximum	83	81	76	69	74	67	71	72	62	65	78	83	71	67	72	83	87	89	93	95	91	80	81	87	76	80	84	93	78	85	....	79.1
	Minimum	48	54	58	47	54	47	34	43	42	33	37	54	58	43	40	43	49	57	60	57	58	59	57	56	60	59	55	62	60	59	....	51.4
Charleston	Maximum	75	76	72	65	76	76	64	71	61	59	73	79	72	66	67	77	79	86	90	92	84	76	75	78	74	79	84	91	85	80	....	75.7
	Minimum	58	63	58	55	53	49	47	55	49	45	49	56	62	48	55	56	59	61	63	64	66	64	63	62	65	64	66	69	69	66	....	58.6
Cheraw §§	Maximum	80	77	72	62	68	62	70	60	58	65	78	80	70	62	68	78	84	88	91	89	84	74	80	86	72	80	75	90	66	83	....	75.1
	Minimum	51	58	56	44	48	45	40	50	38	35	45	54	58	41	41	50	54	62	64	66	66	64	60	58	62	60	58	62	57	58	....	53.5
Conway §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	49	54	57	44	56	48	38	45	43	34	40	53	65	46	41	46	50	57	60	57	60	61	57	55	60	60	57	59	59	59	....	52.3
Darlington §§	Maximum	83	81	73	70	70	66	74	69	62	67	79	82	71	65	79	81	86	89	93	90	88	84	82	87	76	81	84	91	74	85	....	78.7
	Minimum	57	57	57	44	52	45	35	43	40	32	38	53	59	41	41	44	49	51	60	61	57	62	55	54	62	60	55	62	60	58	....	51.5
Ferguson §§	Maximum	81	81	72	77	70	70	67	60	65	65	76	80	78	76	80	85	83	86	90	91	89	87	80	85	82	82	85	87	89	88	....	79.6
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Florence 1 §§	Maximum	83	84	76	71	72	73	76	64	58	67	79	84	68	64	69	84	90	91	96	96	92	85	80	84	73	82	83	95	74	91	....	79.5
	Minimum	50	57	59	45	48	45	38	43	40	36	41	44	55	43	42	45	49	53	58	62	59	63	56	55	59	60	58	62	60	60	....	51.5
Floyd Dale	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Georgetown	Maximum	78	82	72	65	72	65	70	72	60	65	78	82	70	66	65	80	85	89	93	93	95	82	82	85	82	86	88	92	85	84	....	78.8
	Minimum	45	50	58	52	57	47	52	46	45	37	44	54	62	40	43	47	52	58	64	63	68	61	57	57	55	60	66	66	64	64	....	54.5
Kingstree §§	Maximum	82	82	73	70	75	65	74	72	60	67	78	83	72	60	75	82	86	89	92	94	91	84	81	87	71	86	88	92	88	90	....	79.6
	Minimum	41	57	48	43	54	46	38	45	44	36	40	47	60	45	42	46	51	55	62	57	60	62	56	55	60	58	56	62	66	63	....	51.8
Oaks	Maximum	75	63	78	65	60	....	....	....	....	....	....	83	75	69	71	82	86	87	92	63	90	83	83	86	87	84	84	93	83	86	....	[f]80.8
	Minimum	53	45	48	47	57	46	37	49	44	34	39	58	58	46	40	44	50	54	60	57	60	58	56	54	57	60	55	63	63	62	....	51.8
Orangeburg	Maximum	85	83	72	72	76	66	72	72	62	67	80	84	76	65	76	83	84	90	94	93	87	83	79	88	75	84	86	90	87	89	....	80.0
	Minimum	52	57	56	50	52	46	37	42	42	36	40	49	59	47	44	46	52	52	59	54	57	62	56	54	62	60	55	62	63	62	....	52.2
St. George §§	Maximum	84	83	74	73	75	65	74	69	61	67	79	81	72	65	72	83	87	88	92	94	91	83	83	88	77	85	89	91	90	92	....	80.2
	Minimum	55	60	59	51	57	47	42	52	48	41	45	55	62	46	47	49	55	58	61	61	63	61	59	57	62	57	61	65	67	65	....	55.6
St. Matthews §§	Maximum	84	83	73	70	73	67	72	67	62	68	80	83	73	69	75	83	87	91	95	95	91	83	83	89	78	86	89	94	88	90	....	80.7
	Minimum	54	60	57	48	54	44	37	45	43	47	44	52	60	43	44	47	52	58	61	59	62	62	55	57	61	56	55	64	66	62	....	53.6
Society Hill §§	Maximum	82	80	71	....	70	65	72	68	60	67	79	82	72	62	70	80	....	90	94	93	87	81	81	87	77	82	85	92	70	86	....	[b]78.0
	Minimum	51	57	59	44	....	45	35	42	40	34	39	48	59	42	41	43	49	....	58	59	58	62	56	52	62	60	58	62	57	57	....	[b]51.0
Summerville	Maximum	79	83	74	71	75	66	72	71	61	66	77	81	73	70	72	81	84	86	89	92	89	81	82	85	78	80	86	89	86	87	....	78.9
	Minimum	50	56	56	49	60	48	39	45	47	41	43	51	59	47	45	47	52	55	59	58	64	61	58	55	59	57	60	63	64	65	....	53.8
Walterboro	Maximum	74	86	74	74	75	78	74	69	....	71	81	85	74	67	75	84	88	90	94	95	91	83	83	88	81	84	91	92	92	91	....	[a]82.2
	Minimum	....	....	....	....	....	....	....	....	....	....	....	48	61	46	43	45	51	52	74	54	60	61	58	52	57	56	56	61	66	62	....	[k]....
Yemassee §§	Maximum	82	84	78	72	78	66	72	72	64	69	78	82	75	68	74	82	85	87	90	91	89	82	84	87	82	83	89	91	89	90	....	80.4
	Minimum	40	55	45	48	50	45	37	42	50	40	43	50	59	47	41	44	49	53	57	54	63	58	53	51	56	53	57	60	63	62	....	50.8
Western Portion.																																	
Aiken	Maximum	83	77	76	72	71	65	70	70	62	66	78	81	79	75	73	82	84	87	91	91	87	84	83	89	85	84	88	88	88	88	....	79.9
	Minimum	54	61	54	49	55	44	37	48	45	41	46	52	59	46	45	49	56	56	60	61	61	57	57	58	62	57	57	63	66	60	....	53.9
Anderson	Maximum	84	82	74	68	68	69	....	69	69	70	79	85	83	74	83	85	....	92	94	92	82	87	....	91	83	84	92	94	84	92	....	[c]81.8
	Minimum	49	56	48	46	43	39	....	45	41	35	42	52	55	43	42	46	50	62	54	60	57	49	52	55	57	54	53	62	59	51	....	[a]50.3
Batesburg §§	Maximum	80	74	70	66	65	62	69	63	62	64	76	79	79	64	72	80	78	86	90	88	78	82	83	88	77	83	87	88	84	87	....	76.8
	Minimum	54	60	56	54	50	43	40	44	42	37	40	52	56	45	47	50	56	59	62	68	64	60	56	59	60	55	56	63	69	57	....	53.8
Calhoun Falls	Maximum	83	79	73	67	65	65	72	66	67	70	78	82	82	71	75	84	88	90	92	90	79	83	86	90	79	84	90	90	89	89	....	79.9
	Minimum	45	60	48	47	48	36	34	35	42	34	38	45	48	49	42	44	49	52	55	57	56	49	53	54	55	57	52	53	64	59	....	48.7
Camden §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	62	60	....	....	46	....	50	46	....	....	55	53	44	....	51	52	....	65	59	....	65	59	64	...	61	64	65	61	66	....	[j]57.4
Clemson College	Maximum	77	75	72	66	60	60	65	63	61	63	73	77	76	67	68	74	79	84	84	81	83	78	78	82	80	77	83	84	82	79	....	74.5
	Minimum	49	60	50	52	47	46	36	44	42	34	40	42	59	49	41	43	48	54	56	54	60	50	52	60	57	58	51	60	64	57	....	50.5
Columbia	Maximum	80	75	70	66	68	64	69	59	61	66	77	79	73	64	74	82	85	87	91	90	79	77	81	85	72	83	86	89	79	82	....	76.4
	Minimum	56	60	55	50	49	47	41	49	42	39	45	55	53	45	50	51	60	61	64	66	66	62	57	59	63	58	59	67	65	60	...	55.1
Greenville §§	Maximum	80	78	70	62	62	65	72	58	62	69	79	83	77	67	78	82	88	93	94	90	82	84	86	90	72	81	87	91	75	85	....	78.1
	Minimum	47	54	45	48	44	40	31	37	40	33	38	45	52	44	41	40	45	53	53	52	56	47	53	50	57	54	47	57	56	54	...	47.1
Greenwood §§	Maximum	80	76	71	67	64	63	70	64	62	67	70	79	82	67	72	82	86	87	90	88	78	79	81	87	75	80	84	88	82	84	....	76.8
	Minimum	47	56	50	47	47	42	38	41	42	35	41	48	52	44	41	45	51	56	61	61	61	55	54	56	59	56	55	56	64	57	....	50.6
Heath Spring	Maximum	78	77	70	68	65	61	61	59	60	62	58	69	73	63	70	73	78	85	88	89	75	81	84	86	75	75	80	81	90	72	....	73.5
	Minimum	34	56	55	47	45	42	42	37	37	35	30	44	45	40	43	43	44	56	51	56	61	53	51	52	61	61	57	53	63	56	....	48.3
Kershaw §§	Maximum	82	79	73	70	70	64	70	62	63	67	81	81	78	63	73	82	88	90	95	90	83	83	83	89	77	84	86	93	73	88	....	78.7
	Minimum	50	58	56	45	49	43	34	44	39	36	42	50	58	41	42	44	51	52	62	61	59	58	54	53	61	59	51	61	57	56	....	50.9
Landrum	Maximum	79	76	71	59	63	62	71	62	56	68	79	81	74	62	70	79	85	87	91	85	83	80	82	87	72	79	89	90	79	81	....	76.1
	Minimum	48	57	45	48	44	42	42	39	39	40	40	46	57	38	45	41	45	57	57	59	57	55	51	49	57	53	56	58	53	55	....	49.1
Liberty	Maximum	80	78	71	61	60	62	70	61	61	68	78	80	76	68	73	81	87	89	90	88	80	82	85	89	77	82	87	88	77	85	....	77.1
	Minimum	52	61	46	49	45	42	36	45	44	34	40	52	52	46	40	40	48	59	57	58	60	50	55	52	59	57	55	63	67	56	....	50.7
Little Mountain	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	86	88	81	83	....	....
	Minimum	55	60	....	46	51	43	40	46	41	39	49	49	....	44	45	48	57	60	63	64	64	56	57	60	62	64	56	66	63	57	....	[b]53.8
Meriwether	Maximum	85	79	74	70	65	60	73	68	66	70	81	84	81	70	....	....	....	92	93	92	77	85	85	90	86	86	92	92	91	91	....	[c]80.7
	Minimum	54	60	52	49	40	44	36	51	43	36	41	50	48	45	47	....	....	57	59	54	56	55	55	57	56	56	52	62	65	60	....	[b]51.4
Monetta	Maximum	82	77	73	68	69	63	73	67	61	65	78	80	77	69	72	81	85	87	91	91	84	83	83	88	82	84	88	89	88	87	....	78.8
	Minimum	54	60	55	49	55	46	42	47	45	40	48	53	59	47	46	50	55	58	64	63	62	56	56	57	60	56	58	64	68	59	....	54.4
Mountain Rest	Maximum	76	75	65	55	57	58	66	63	61	65	76	78	75	64	69	77	82	86	87	84	75	75	79	84	73	78	84	84	73	80	....	73.5
	Minimum	49	54	42	45	42	39	30	37	40	28	33	41	52	41	42	36	41	48	47	51	52	41	44	44	49	54	46	50	56	48	....	44.1
Newberry	Maximum	83	77	69	67	68	65	72	65	62	67	78	81	80	67	73	83	87	90	94	92	79	84	84	90	78	84	88	90	83	83	....	78.8
	Minimum	43	60	59	48	52	44	35	46	42	34	37	40	59	44	43	44	50	55	58	55	58	58	58	53	62	56	49	63	61	56	....	50.7
Saluda	Maximum	82	78	72	67	67	65	73	65	64	69	78	81	69	69	74	86	88	88	92	90	76	95	89	81	84	88	89	88	90	83	....	79.3
	Minimum	53	60	52	46	51	33	32	45	45	32	58	48	45	44	41	41	53	52	60	51	57	53	61	58	55	48	49	48	61	57	....	49.6
Santuck	Maximum	81	78	70	66	67	66	70	63	61	67	78	81	79	66	71	81	87	90	93	90	80	83	83	90	73	83	88	91	79	85	....	78.0
	Minimum	51	60	52	45	47	41	40	45	40	32	39	52	58	43	42	43	47	57	58	57	59	54	54	54	58	53	50	62	57	55	....	50.2
Spartanburg §§	Maximum	83	77	69	63	63	63	71	50	58	67	80	82	77	65	71	81	88	91	93	90	82	82	84	90	80	81	88	91	74	85	....	77.3
	Minimum	50	59	47	49	44	40	42	42	39	33	34	42	50	42	43	45	48	56	55	57	59	51	54	54	53	53	52	55	54	54	....	48.5
Trenton	Maximum	80	76	74	68	68	62	71	62	62	66	77	79	78	67	73	81	84	86	88	88	84	82	83	87	83	83	87	89	88	87	....	78.1
	Minimum	53	52	52	49	53	43	39	48	44	39	48	53	60	46	55	49	54	67	62	63	61	58	56	61	61	57	59	64	66	59	....	54.4
White Oak	Maximum	82	76	70	67	67	64	71	63	63	66	77	80	76	64	71	81	87	88	92	89	83	83	84	89	80	82	86	89	82	85	....	77.9
	Minimum	54	59	55	46	52	43	40	45	39	35	45	52	57	43	44	47	55	59	62	61	62	58	54	58	61	55	57	64	69	56	....	52.9
Winthrop College	Maximum	90	74	79	67	67	59	67	67	59	63	75	77	77	63	63	79	81	82	86	87	87	78	80	81	81	76	78	82	82	78	....	75.5
	Minimum	52	56	54	44	49	42	37	48	38	33	45	52	53	41	45	47	52	60	61	61	62	56	53	59	59	54	54	62	54	54	....	51.2

Reference letters, ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, April, 1917.



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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

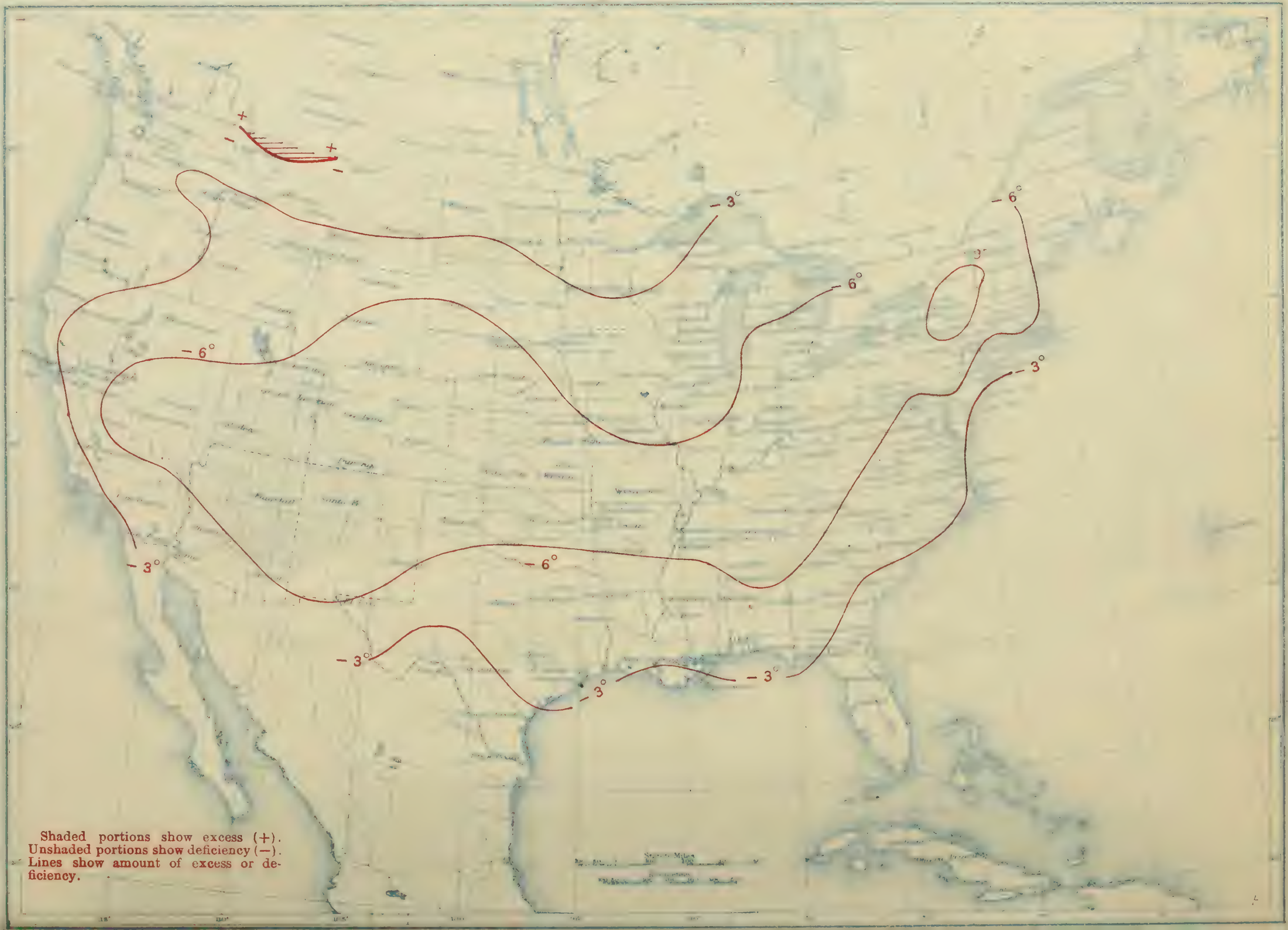
SOUTH CAROLINA SECTION

MAY, 1917

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
June 29, 1917

Departure of the Mean Temperature from the Normal, May, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

Vol. XX. Columbia, S. C., May, 1917. No. 5.

GENERAL SUMMARY.

The month just closed was the coldest May of record by 2.7 degrees, due to unusually cold weather between the 5th and 15th, when the daily mean temperatures averaged about 12° below the daily normals, with the Section minimum within 1 degree of the May record. The precipitation was somewhat below the normal, but the effective rainfall was confined principally to the first decade. Many of the local thunderstorms during the last decade were accompanied by damaging hail in the northern and western counties, and a tornado traversed several central counties on the 22d, but with no loss of life.

The abnormal cold of the first part of the month was especially detrimental to the development and growth of vegetation, and, on account of necessary replanting in large areas, cotton, corn, and truck were in various stages of advancement at the close of the month. Much of the young cotton in the higher elevations was depleted by cold, and several replantings were necessary on many plantations. The recurring warm weather toward the close of the month was attended by considerable improvement in cotton, though the stands were irregular and plants small. Corn withstood the cold better than cotton, and at the close of the month was in vigorous condition and had good color. Wheat was turning toward the close of the month, with heads well filled, but straw short. Oats deteriorated slowly, with prospects for poor to fair yields only. Tobacco continued in favorable condition. The intermittent showers during the last decade, while insufficient generally in the amount, improved the crop situation, and gardens, truck, and forage were in good condition, as a whole. The general fruit prospect continued promising. There has been a marked increase in the acreage of general foodstuffs.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 29.94 inches. The highest pressure in the region covered by reports was 30.23 inches at Asheville, N. C., on the 30th, and at Charlotte, N. C., on the 10th, and in the Section proper, 30.18 inches at Columbia on the 30th; lowest pressure, 29.53 inches at Asheville, N. C., on the 4th, and in the Section proper, 29.58 inches at Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 43 stations, was 66.3° or 5.1° below the established normal. The highest temperature was 98° at Walterboro, Colleton County, on the 27th. The warmest periods of the month were generally between the 19th and 22d and on the 26th and 27th. The lowest temperature was 31° at Mountain Rest, Oconee County, on the 13th, 14th, and 15th. The coldest period of the month was between the 5th and 15th, when the daily mean temperatures ranged from 7° to 16° below the daily normals.

HUMIDITY.

The mean relative humidity, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 68%; 8 p. m., 59%. The highest percentages occurred in the upper Savannah watershed and extreme eastern counties, and the lowest, over the central counties.

PRECIPITATION.

The average for the Section, 57 stations reporting, was 3.09 inches, or 0.37 inch below the established normal. The precipitation was fairly well distributed as to amount and area, but was badly distributed as to time, there being a long period of drought after the 9th, and the showers of the last decade were generally light and insufficient. In the upper Savannah watershed, in the northeastern border counties, and over the middle and lower coastal plain the measurements ranged from 3 to over 5 inches, while in portions of Lancaster, Barnwell and upper Hampton counties, and from Orangeburg County eastward to the Horry County coast, the amounts were less than 2 inches. The greatest local monthly amount was 5.16 inches at Cheraw, Chesterfield County; least monthly amount, 1.50 inches at Orangeburg, Orangeburg County. The greatest 24-hour amount was 2.32 inches at Society Hill, Darlington County, on the 8th The average number of rainy days was 12% below normal.

Considerable hail damage resulted to crops in the central and northern counties during local thunderstorms that prevailed between the 22d and 28th.

On May 28th, James Robertson was killed by lightning on a plantation near Patrick, Chesterfield County.

A tornado traversed eastern Greenwood, southern Laurens, northern Saluda and southern Newberry Counties on May 22, advancing southeast, east, and northeastwardly, injuring a number of persons and damaging considerable property, but there was no loss of life. Its path was 100 to 180 yards wide.

A violent windstorm at Calhoun Falls on May 22 dismantled the Methodist Church, causing $1,000 damage.

WIND.

The prevailing wind was from the west. The average hourly velocity, determined from 7 anemometer records, was 9.2 miles. The highest average velocity in the region covered by reports was 11.5 miles per hour at Charlotte, N. C.; lowest average, 6.7 miles per hour at Augusta, Ga. In the Section proper the average velocities were 11.1 miles per hour at Charleston and 7.6 miles per hour at Columbia. The highest average velocity in the region covered by reports was 11.5 miles per hour at Charlotte, N. C.; lowest average, 6.7 miles per hour at Augusta, Ga. In the Section proper the average velocities were 11.1 miles per hour at Charleston and 7.6 miles per hour at Columbia. The highest velocities for any 5-minute period was 50 miles per hour from the southwest at Charlotte, N. C., on the 28th, and in the Section proper, 38 miles per hour from the southwest at Charleston on the 1st.

MISCELLANEOUS DATA FOR MAY, 1917.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	29.94	57.0	85	35	1.30	0.42	9.3	nw.	72	58	57
Augusta, Ga.......	29.94	67.8	93	45	2.09	1.09	6.7	nw	72	62	74
Charleston, S. C...	29.95	70.2	91	49	3.80	2.13	11.1	sw.	63	65	82
Charlotte, N. C ...	29.92	63.6	89	41	2.45	1.21	11.5	sw.	71	55	62
Columbia, S. C....	29.93	67.0	92	44	2.72	2.06	7.6	w.	63	48	67
Savannah, Ga.....	29.96	71.3	93	50	3.18	1.34	10.2	sw.	70	60	72
Wilmington, N. C.	29.92	66.6	91	44	2.26	0.85	7.9	sw.	68	67	73
Means and extremes	29.94	66.2	93	35	2.54	2.13	9.2	sw.	68	59	70

Climatological Data for May, 1917.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	28	69.2	−4.0	97	27	46	† 9	38	1.68	−1.69	0.63	0	7	12	15	4	sw.	R. B. Vance.
Beaufort	Beaufort	21	30																	Miss Lillian H. Rice.
Blackville	Barnwell	296	28	68.4	−5.1	95	†21	42	† 9	42	2.31	−1.15	0.85	0	7	20	5	6		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	16	67.3	−5.0	94	†21	40	† 9	47	3.71	+0.30	0.85	0	8	24	2	5	w.	B. O. Evans.
Centenary	Marion	43	2	66.6		95	†20	41	†13	43	2.96		1.03	0	8	13	12	6	w.	D. L. Carmichael.
Charleston	Charleston	48	46	70.2	−2.2	91	19	49	9	28	3.80	+0.33	2.13	0	7	19	5	7	sw.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	27	65.4	−5.3	92	21	41	† 9	30	5.16	+1.62	1.74	0	10				sw.	J. H. Powe.
Conway	Horry	25	31	67.2	−3.8	94	†19	41	13	40	1.74	−1.62	0.65	0	5	17	3	11		Paul Quattlebaum.
Darlington ††	Darlington	175	22	66.5	−4.9	93	21	40	14	37	2.63	−0.72	1.27	0	8	15	7	9	w.	D. C. McCall.
Edisto ‡‡	Bamberg	143	29								3.01	−0.02	0.96	0	7					Nathan Jenkins.
Effingham	Florence	106	24								2.84	−0.53	1.47	0	5					H. B. McCall.
Ferguson	Orangeburg	63	31			92	†21				4.55	+0.38	1.50	0	6	20	0	11		Joseph P. Simons.
Florence 1	Florence	136	28	66.2	−6.3	96	22	42	9	38	3.28	−0.27	1.46	0	10	14	13	4	sw.	H. K. Gilbert.
Florence 2	do	136	2								3.21	−0.34	1.05	0	7	17	9	5	sw.	Pee Dee Experiment Sta.
Floyd Dale	Dillon	168				97	21				3.06	−0.09	1.41	0	3				sw.	H. B, Floyd.
Georgetown	Georgetown	12	22	68.4	−3.8	91	21	44	†13	40	4.40	+1.46	1.50	0	5	19	11	1	w.	A. P. Hazard.
Kingstree	Williamsburg	54	28	67.4	−4.7	93	†19	42	† 9	39	1.54	−1.30	0.73	0	3	22	2	7	w.	A. O. Matthews.
Oaks ††	Georgetown		2	67.4		94	†21	43	†13	43	2.88		0.78	0	7	15	14	2	w.	O. M. Mitchell.
Orangeburg	Orangeburg	264	1	66.8		94	†21	40	† 9	40	1.50		0.70	0	3	20	0	11	w.	U. S. Fisheries Station.
Pinopolis **	Berkeley	54	67	64.6	−6.4	88	†27	48	† 9		3.64	−0.21	1.39	0	7	20	0	11	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	3								2.11		0.90	0	8					William B. Wolfe.
St. George	Dorchester	109	28	68.8	−4.1	95	21	47	9	39	3.09	−0.09	1.50	0	8	21	4	6	sw.	R. S. Weeks.
St. Matthews	Calhoun	62	21	68.4	−3.6	96	21	42	9	40	2.02	−1.37	1.03	0	4	18	8	5	e.	J. S. Wannamaker.
Society Hill	Darlington	192	25	^{a}65.9	−5.1	^{a}95	†19	^{a}40	14	^{a}40	3.89	+0.67	2.32	0	7	19	7	5	nw.	A. H. Rogers.
Summerville	Dorchester	75	19	68.1	−3.9	92	27	44	9	38	3.71	+0.70	1.08	0	9	12	17	2	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	14	68.5	−4.5	98	27	44	† 9	45	3.36	−0.29	1.72	0	7	21	4	6		J. N. Frank.
Whitehall (near)	do	4									2.80		0.65	0	0	24	3	4	sw.	Special Rice Exp. Station.
Yemassee	Hampton	24	21	67.2	−5.8	94	27	40	15	40	3.37	+0.07	1.78	0	6	21	5	5	sw.	J. G. Hutson.
Division means and	extremes			67.5	−4.6	98	27	40	† 9	47	3.06	−0.31	2.32	0	7	19	6	6	sw.	
Western Portion.																				
Aiken	Aiken	527	56	67.6	−5.6	91	21	41	9	39	2.44	−0.96	1.03	0	6	19	1	11	w.	Frank B. McCoy.
Anderson	Anderson	764	21	66.0	−4.6	94	†20	39	14	45	3.14	+0.50	1.14	0	7	20	1	10	w.	H. H. Russell.
Batesburg	Lexington	656	28	65.8	−5.7	91	21	42	† 9	34	3.79	+0.35	2.27	0	6	19	9	3	w.	E. J. Hite.
Blairs	Fairfield	293	14								2.33	−0.21	0.92	0	6					J. N. Owens.
Calhoun Falls	Abbeville	508	24	65.5		93	†20	38	13	38	5.06	+1.53	1.53	0	8	16	8	7	w.	L. M. Parker.
Camden	Kershaw	222	57	^{l}68.5	−1.4	^{g}94	22	^{l}42	9	^{l}37	2.13	−1.08	0.68	0	6	18	8	5	nw	W. C. Brown.
Catawba	York	562	13								4.70	+1.38	1.89	0	6					James C. Faris.
Chappells	Newberry	402	13								2.50	−0.03	0.85	0	6					J. J. Murran.
Clemson College	Oconee	850	25	64.2	−5.1	85	†20	40	14	34	3.14	−0.27	1.13	0	7	21	6	4	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	30	67.0	−4.8	92	21	44	14	30	2.72	−0.47	2.06	0	7	14	10	7	w.	U S. Weather Bureau.
Edgefield	Edgefield		3								3.90		2.00	0	7					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	4								2.83	−0.14	1.03	0	7					Harry A. Parshall.
Greenville	Greenville	989	24	64.0	−3.1	94	20	35	9	40	3.35	−0.97	0.91	0	8	18	8	5	w.	J. H. Woodside.
Greenwood	Greenwood	671	28	63.7	−7.7	90	†20	41	9	32	3.52	−0.10	1.14	0	7	23	0	8	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	16	64.3	−6.5	91	21	39	15	42	1.77	−1.43	0.84	0	3	11	17	3	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	1	66.6		94	19	40	13	36	3.08		1.02	0	7	23	0	8	w.	John W. Hamel.
Landrum	Spartanburg	1063	2	63.4		91	†19	37	13	39	3.45		1.04	0	9	16	12	3		R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	18	65.9	−4.1	92	20	38	13	37	2.36	−2.03	1.15	0	7	14	15	2	sw.	John T. Boggs.
Little Mountain	Newberry	711	24	67.1	−5.1	93	20	40	14	37	2.10	−0.75	0.95	0	5	18	2	11	w.	J. M. Sease, M. D.
Meriwether	McCormick	450	14	^{a}66.8	−4.0	94	21	^{a}41	† 9	^{a}41	3.96	+1.48	2.13	0	5	20	3	8		William S. Middleton.
Monetta	Saluda	400	10	67.5	−4.7	92	21	44	† 9	36	3.91	+1.45	2.20	0	7	10	18	3	w.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	2	^{b}56.9		^{b}86	†19	^{b}31	†13	^{b}46	2.70		0.86	0	6	26	0	5		J. H. Brown.
Newberry	Newberry	502	14	66.6	−4.7	93	†20	39	† 8	42	2.92	−0.04	0.88	0	6	9	16	6	n.	Warren G. Peterson.
Pelzer	Anderson	850	13								3.02	−0.72	1.02	0	9					Joshua Y. Jones.
Saluda	Saluda	536	16	65.5	−6.1	97	22	37	†13	49	3.02	+0.48	1.38	0	7	18	11	2	sw.	Mrs. F. V. J. Maxwell
Santuck	Union	512	24	65.5	−4.9	93	†20	40	14	41	2.10	−0.85	0.97	0	7	17	10	4	w.	E. W. Jeter.
Spartanburg	Spartanburg	875	34	64.3	−5.8	93	20	38	†13	38	2.96	−1.24	0.92	0	8					F. P. Robinson.
Trenton	Edgefield	620	28	66.8	−5.6	90	21	42	14	34	4.94	+2.08	2.25	0	6	20	6	5	sw.	Mrs. S. E. Long.
Walhalla	Oconee	1061	14								3.21	−0.82	0.92	0	8	16	10	5	sw.	H. W. Brandt.
White Oak	Fairfield	548	1	66.6	−4.6	92	†20	41	† 9	38	2.87	−0.31	0.84	0	6	16	9	6	sw.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	63.8	−6.4	87	†21	40	9	35	2.43	−1.73	0.70	0	5	12	15	4	sw.	W. P. Goodman.
Division means and	extremes			65.4	−5.4	97	22	31	†13	49	3.11	−0.33	2.27	0	7	18	7	6	w.	
Section means and	extremes			66.3	−5.1	98	27	31	†13	49	3.09	−0.37	2.32	0	7	18	7	6	w.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for May, 1917.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
llendale ‖‖	Savannah		.07		.18	.55			.63	.04																	.05			.16			1.68
eaufort	Coast																																
lackville ‖‖	Edisto				.02	.56			.85	.10																	.20		.50	.08			2.31
owman	do			.40	.57			.70	.20			T.														.15	.56		.85			.28	3.71
entenary	Pee Dee	.69			.50			1.03	.35	T.					.06									T.			.06	T.	.16			.11	2.96
harleston ***	Coast	.01			2.13			1.35	T.																	.03	.20		.03			.05	3.80
heraw ‖‖	Pee Dee	.78			.12	.32			1.34	.06			.08		.11									1.74					.01	.60			5.16
onway ‖‖	Waccamaw		.20		.05	.52			.65						T.										T.			T.		.32			1.74
arlington ‖‖	Pee Dee				.10	.42	.07		1.27	.02					.14									.28					.33				2.63
disto ‖‖	Edisto				.08	.54			.86	.10																	.15	.32		.96			3.01
ffingham ‖‖	Lynches		.11			.82			1.47															.32						.12			2.84
erguson ‖‖	Santee				.38	1.50		.50	.85																			.60		.72			4.55
lorence 1 ‖‖	Pee Dee	.25			.05	.59			1.46	.03		.02			.18									.41					.21	.08			3.28
lorence 2	do	.20			.54			1.05						.62										.38	T.			.24	.18				3.21
loyd Dale	Little Pee Dee	1.41																						.50				1.15					3.06
eorgetown	Coast	.45			1.25			.85	1.50						T.														.35			T.	4.40
ingstree ‖‖	Black		T.			.60			.73																					.21			1.54
aks	do	.45			.62	.20		.18	.40															T.		T.	T.		.25			.78	2.88
rangeburg	Edisto				T.	.70			.65	T.																	T.	.15	T.				1.50
inopolis	Cooper	.14			1.39			.89																		.09	.25		.68			.20	3.64
imini ‖‖	Santee		.09		.02	.60			.90							.06											.03	.30		.11			2.11
t. George ‖‖	Edisto		.02		.02	1.50			.61	.01																	.12	.46		.35			3.09
t. Matthews ‖‖	Santee				.10	.61			1.03																			.28					2.02
ociety Hill ‖‖	do					.23			2.32	.04					.08														1.00	.22			3.89
ummerville	Ashley	.02			1.08	.02		.62	.47			T.			T.									T		.09	.41		.94			.06	3.71
alterboro	Ashepoo				1.72	.05		.62	.09																	.18			.35			.35	3.36
hitehall (near)	Combahee	.30			.64	.30		.30	.65	.08																.01			.52				2.80
emassee ‖‖	do		.23		.10	1.68			.83	.10																				.43			3.37
Western Portion.																																	
iken	Edisto				.81			1.03	.19	.05																.13			.23				2.44
nderson	Savannah				1.14			.56	.27														.10	.57			.10		.40				3.14
atesburg ‖‖	Edisto				.08	.82			2.27	.04														T.				.31		.27			3.79
lairs ‖‖	Broad					.40			.92	.06														.43				.12		.40			2.33
alhoun Falls ‖‖	Savannah				.22	.46			.88	.13														1.52			.09	1.53	.23				5.06
amden ‖‖	Wateree				.04	.34			.68			T.			.03									.43			T.	T.		.61			2.13
atawba ‖‖	Catawba	.60			.16	.60			1.40															1.84					.05				4.70
happells ‖‖	Saluda				T.	.57			.85															.70				.20	.05	.13			2.50
lemson College	Savannah				1.13			.23	.32														.26	.34			.56		.30			T.	3.14
olumbia ***	Congaree			T.	.33			2.05	.01		T.			T.	T.								.08				.14		.02			.09	2.72
dgefield ‖‖	Savannah				.08	.62			2.00	.20																	.10		.80	.10			3.90
aston Shoals ‖‖	Broad	.34			.04	.24			.58	.04				T.										1.03				T.	.56				2.83
reenville ‖‖	Saluda	.91			.15	.61			.29	.12														.86			.03	.07	.31				3.35
reenwood ‖‖	do				.12	.56			1.04	.10														1.14				.30	.26				3.52
eath Spring	Wateree				.81				.84																			.12					1.77
ershaw	Lynches	.07				.85			.92						.08									1.02					.08	.06			3.08
andrum	Broad	.42			.53	.14		.24	.12														1.04	.82			.03		.11				3.45
iberty	Savannah			T.	1.15			.32	.15		T												.50	.10			.04		.10				2.36
ittle Mountain	Saluda				.35			.95	.18															.52			.10						2.10
eriwether	Savannah				1.24			2.13	T.																	.12	.34		.13				3.96
onetta	Edisto				.83			2.20	.20	.05	T.				T.											.06	.32		.25				3.91
ountain Rest	Savannah				.72			.21															.86				.50		.20			.21	2.70
ewberry	Saluda				65		.88	.12							T.									.82			.13		.32				2.92
elzer ‖‖	do	.22			.06	.96			.76	.10														.32			.18	.08	.36				3.02
aluda	do				.64			1.38	.06	.10														.43			.21		.20				3.02
antuck	Broad							.51	.24		.03												.02	.95			.28		.07				2.10
partanburg ‖‖	do	.73			.03	.40			.60	.02														.92				.05	.21				2.96
renton	Edisto	.40			1.07			2.25	.08																	T.	1.02		.12				4.94
alhalla	Savannah				.92			.28	.01		T.												.92	.15			.37		.31			.25	3.21
hite Oak	Broad				.71			.77	.19					T.										.84			.06		.30				2.87
inthrop College	Catawba	.70			.01			.65	.57														.50										2.43

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR MAY.

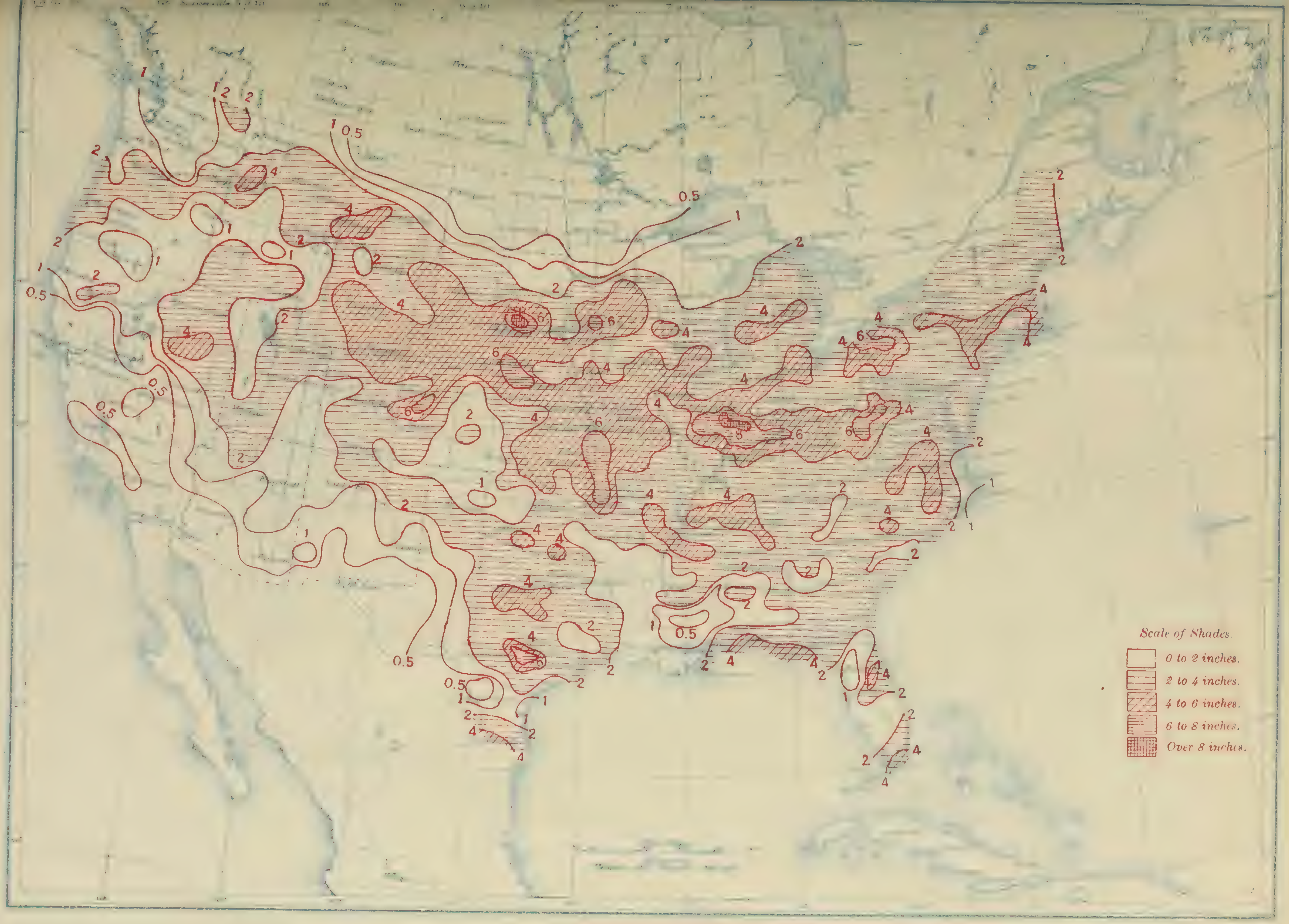
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
887	72.5	97	41	3.17	10				
888	70.2	99	33	7.51	11				
889	71.7	101	35	1.97	5				nw.
890	71.0	95	30	5.44	10				sw.
891	69.0	100	36	3.57					ne.
892	71.1	94	39	3.53					
893	70.2	97	38	4.13	9	13	9	9	sw.
894	70.7	98	38	3.43	9	10	16	5	sw.
895	69.0	101	34	4.36	9	11	12	8	sw.
896	76.7	104	42	2.74	8	14	13	4	sw.
897	69.3	97	38	2.39	6	18	8	5	sw.
898	73.8	106	39	1.35	5	18	10	3	sw.
899	73.7	100	45	1.68	5	15	10	6	sw.
900	70.2	96	38	2.37	5	19	7	5	sw.
901	71.4	99	40	7.31	11	13	10	8	sw.
902	74.0	101	42	2.69	8	15	10	6	sw.
1903	70.7	104	44	2.69	9	12	9	10	ne.
1904	70.6	99	38	2.04	7	18	8	5	s.
1905	73.4	99	42	5.70	13	12	9	10	sw.
1906	70.7	99	30	3.00	7	17	6	8	sw.
1907	70.8	96	41	4.51	10	11	12	8	sw.
1908	71.8	96	36	2.92	7	16	11	4	sw.
1909	69.5	100	35	4.26	8	14	12	5	sw.
1910	69.8	99	40	4.03	8	15	10	6	sw.
1911	72.6	106	35	0.65	3	20	8	3	ne.
1912	72.4	101	43	4.08	9	16	6	9	sw.
1913	71.7	101	38	2.13	6	19	6	6	sw.
1914	72.1	105	42	0.83	3	18	10	3	sw.
1915	73.0	98	46	7.20	11	11	11	9	w.
1916	73.8	103	42	2.44	5	20	7	4	sw.
1917	6.63	98	31	3.09	7	18	7	6	w.
Period	71.4	106	30	3.46	8	15	10	6	sw.

Daily Temperatures for May, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	88	80	84	85	77	75	63	63	76	70	73	73	71	70	77	83	88	91	92	92	94	93	86	82	80	86	97	82	84	88	87	81.6
	Minimum	66	53	55	62	59	51	54	55	46	51	50	52	46	46	48	52	58	61	63	56	60	65	70	52	55	60	59	73	62	57	65	56.8
Beaufort	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Blackville §	Maximum	89	85	88	78	77	75	61	64	72	77	73	74	73	74	80	86	91	94	94	94	95	93	87	83	76	95	82	83	85	91	87	82.5
	Minimum	65	47	51	61	52	46	53	53	42	52	48	52	42	42	48	50	57	63	58	55	54	56	70	46	55	57	71	63	59	54	64	54.4
Bowman	Maximum	87	82	85	78	76	77	75	70	71	77	71	72	72	70	78	85	91	92	93	92	94	92	91	82	80	78	94	85	90	88	93	82.6
	Minimum	63	48	49	60	55	48	50	59	40	50	47	52	49	42	41	48	49	49	50	55	56	58	65	44	50	60	62	66	48	54	60	52.0
Centenary	Maximum	96	76	81	75	77	66	64	57	70	72	74	67	66	69	76	81	88	93	94	95	95	90	89	79	77	79	91	88	84	86	81	79.7
	Minimum	63	51	50	61	56	53	51	49	42	50	46	49	41	41	42	44	51	51	52	56	58	66	69	48	49	54	63	71	61	55	62	53.4
Charleston	Maximum	87	75	78	78	80	72	67	63	72	76	76	72	70	66	76	82	88	91	91	91	91	83	87	73	78	78	90	81	85	78	78	79.1
	Minimum	67	60	63	62	63	59	58	54	49	58	58	57	50	51	51	58	60	64	65	64	65	69	67	57	62	65	70	72	66	67	73	61.4
Cheraw §§	Maximum	80	76	78	74	76	60	60	54	66	68	71	64	64	66	75	80	85	88	90	91	92	88	78	72	76	78	80	77	78	81	78	75.4
	Minimum	62	52	56	62	56	50	50	46	41	52	50	52	41	44	46	53	56	58	62	64	66	68	64	52	54	56	64	68	58	56	60	55.5
Conway §§	Maximum	87	80	80	73	77	68	66	59	70	74	75	70	67	71	77	82	89	92	94	94	94	89	87	78	73	80	91	90	84	81	77	79.6
	Minimum	63	51	51	61	58	56	50	49	45	50	48	51	41	43	50	46	54	52	55	57	60	62	72	59	53	55	65	71	60	55	62	54.7
Darlington §§	Maximum	86	79	82	74	76	66	64	67	70	73	73	70	68	70	78	82	88	91	92	92	93	91	83	76	78	80	88	81	84	87	81	79.5
	Minimum	62	49	51	62	54	51	49	47	42	50	47	53	42	40	44	48	55	54	55	58	56	64	64	46	52	54	65	68	60	55	60	53.5
Ferguson §§	Maximum	87	78	82	77	78	73	73	57	70	73	73	69	67	68	76	81	88	90	90	91	92	90	88	79	79	79	92	83	83	84	...	[a] 79.7
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Florence 1 §§	Maximum	86	85	85	69	77	61	58	54	68	72	72	68	65	69	74	82	84	87	88	91	94	96	84	76	78	76	88	81	84	89	90	78.4
	Minimum	63	52	53	61	57	52	49	48	42	47	48	52	43	43	43	50	55	54	55	56	56	66	65	51	54	51	61	67	59	58	62	54.0
Floyd Dale	Maximum	92	79	82	83	75	75	76	62	67	70	73	73	72	68	71	72	92	93	95	95	97	93	90	82	77	80	87	82	82	83	87	80.8
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Georgetown	Maximum	90	90	79	78	72	65	65	65	70	75	73	72	70	70	76	81	88	91	91	92	94	87	86	78	78	87	93	85	83	81	88	80.4
	Minimum	67	54	52	63	64	58	55	50	45	51	49	45	44	46	44	49	57	56	52	63	61	68	72	52	53	59	63	72	63	57	63	56.5
Kingstree §§	Maximum	88	81	83	78	77	69	63	57	70	72	72	70	68	70	77	81	88	91	93	93	93	90	88	78	75	81	95	86	84	85	87	80.0
	Minimum	64	54	51	60	63	53	52	50	42	47	48	54	44	43	42	46	57	52	55	59	57	63	70	50	53	55	63	71	61	55	65	54.8
Oaks	Maximum	83	78	82	78	77	67	67	60	70	73	72	69	69	70	77	82	88	92	95	95	94	91	89	80	78	81	94	91	84	83	80	80.2
	Minimum	64	69	50	60	57	56	52	50	45	50	48	54	43	45	43	46	52	51	50	54	56	63	70	50	53	54	60	71	60	55	63	54.6
Orangeburg	Maximum	87	80	85	79	74	72	65	59	70	74	71	70	74	70	77	84	88	90	90	92	91	94	84	80	74	71	92	82	83	86	80	80.0
	Minimum	65	56	50	59	57	54	50	49	40	46	52	53	40	40	42	46	52	55	52	52	62	64	67	52	52	55	61	61	62	50	58	53.5
St. George §§	Maximum	89	82	85	80	77	74	64	60	72	75	73	73	72	71	78	85	90	94	93	93	95	92	88	81	74	81	94	82	81	87	81	81.3
	Minimum	68	55	55	65	60	52	57	55	47	53	53	55	49	48	50	52	53	55	57	58	61	60	66	52	51	57	64	69	57	55	60	56.4
St. Matthews §§	Maximum	87	83	85	80	78	71	61	60	72	76	73	73	74	73	79	85	92	94	94	95	96	92	87	82	71	85	94	81	85	88	85	81.6
	Minimum	65	50	55	57	57	47	50	51	42	51	49	52	43	43	47	53	53	60	60	55	60	65	73	49	55	60	65	71	59	55	61	55.3
Society Hill §§	Maximum	86	78	....	81	76	63	62	56	69	73	74	67	66	70	78	84	90	92	95	95	95	92	82	77	81	81	84	80	82	84	79	[a] 79.1
	Minimum	62	48	51	....	52	50	48	48	41	49	47	51	41	40	45	48	53	55	55	57	55	63	63	47	52	55	65	67	57	55	60	[a] 52.7
Summerville	Maximum	87	79	81	78	78	76	68	62	71	75	72	72	69	69	77	81	88	90	91	90	91	89	87	80	77	80	92	84	82	84	83	80.1
	Minimum	66	53	52	61	60	54	55	54	44	51	50	54	45	45	44	49	54	57	60	53	59	64	72	49	54	62	65	68	60	58	65	56.1
Walterboro	Maximum	89	81	82	81	80	78	69	63	74	78	75	72	74	71	80	67	92	96	[illegible]	94	95	95	92	84	80	81	98	82	86	90	84	82.6
	Minimum	59	58	51	60	60	58	49	55	44	50	47	54	47	45	44	48	53	54	53	50	54	57	66	46	52	61	65	68	58	56	64	54.4
Yemassee §§	Maximum	85	81	82	79	77	77	66	66	73	75	71	75	72	70	77	83	88	91	91	91	91	90	88	81	85	88	94	82	84	87	87	81.5
	Minimum	63	48	49	61	58	52	56	55	42	50	47	49	42	43	40	47	53	54	60	51	56	60	70	43	45	51	60	66	57	51	60	53.0
Western Portion.																																	
Aiken	Maximum	89	82	84	81	74	70	66	62	69	74	71	70	69	67	76	81	87	89	90	89	91	88	85	77	76	76	90	83	82	86	[illegible]	79.3
	Minimum	72	50	56	58	52	47	52	52	41	52	51	51	44	43	45	53	55	61	60	58	60	64	69	47	56	60	69	68	55	58	64	55.6
Anderson	Maximum	85	85	86	77	75	74	62	56	76	71	77	69	75	69	84	84	92	90	93	94	92	86	74	77	78	80	94	86	82	89	80	80.4
	Minimum	60	47	52	56	50	42	48	44	41	50	47	48	40	39	41	48	53	53	56	59	58	62	54	43	54	56	61	62	54	56	62	51.5
Batesburg §§	Maximum	84	81	84	72	71	68	68	56	69	72	69	68	67	67	74	79	86	88	88	89	91	86	75	76	77	75	89	83	79	85	85	77.3
	Minimum	61	50	53	56	55	45	49	50	42	49	51	50	46	42	44	49	55	57	64	65	60	63	65	44	47	57	62	69	59	61	63	54.3
Calhoun Falls	Maximum	84	85	85	71	71	71	54	62	74	75	74	71	74	71	81	82	90	92	92	93	93	87	74	71	74	77	89	81	83	86	84	79.0
	Minimum	58	46	50	59	51	45	49	51	40	44	51	48	38	43	42	49	52	53	57	57	55	62	62	44	51	52	59	67	55	58	64	52.0
Camden §§	Maximum	88	86	85	83	77	72	....	....	70	73	74	70	70	70	79	87	88	92	92	93	90	94	86	....	....	84	....	....	....	84	87	[g] 82.1
	Minimum	....	51	52	64	55	54	50	50	42	....	51	52	....	....	51	....	....	62	65	....	....	....	68	50	52	53	....	....	....	56	60	[l] 54.9
Clemson College	Maximum	78	78	76	75	69	68	65	58	67	67	70	70	67	65	74	75	81	83	84	85	85	87	74	73	74	71	83	82	77	79	77	74.8
	Minimum	60	49	53	61	53	45	53	52	43	52	46	54	41	40	41	49	49	55	54	55	58	68	62	45	55	57	65	66	58	54	65	53.5
Columbia	Maximum	84	79	82	73	74	68	55	56	68	70	71	66	66	68	77	80	86	88	89	89	92	88	77	77	76	73	87	83	81	84	82	77.0
	Minimum	66	53	59	59	56	49	51	49	44	54	52	52	44	44	47	54	60	61	64	64	62	66	61	52	59	60	68	69	59	62	65	56.9
Greenville §§	Maximum	83	82	79	71	71	69	56	58	71	73	75	69	72	69	82	81	90	90	92	91	92	79	76	77	81	83	89	79	84	85	70	78.4
	Minimum	55	44	52	59	48	42	48	49	35	46	43	44	37	41	38	45	46	50	51	52	51	63	60	41	49	54	57	64	51	56	60	49.5
Greenwood §§	Maximum	83	79	60	71	69	65	53	57	68	70	71	66	79	68	77	79	86	87	87	90	90	85	70	71	69	72	87	78	98	82	80	74.8
	Minimum	57	50	51	52	52	44	46	49	41	43	50	50	42	42	45	48	55	60	59	59	60	62	59	47	50	57	60	66	56	55	60	52.6
Heath Spring	Maximum	84	84	77	79	76	68	60	56	66	70	69	66	62	72	75	81	85	89	89	90	91	84	75	76	70	77	70	78	81	81	82	76.0
	Minimum	55	55	47	48	54	40	42	46	42	50	49	49	41	40	39	51	57	60	60	63	65	64	61	46	46	53	65	68	58	58	57	52.6
Kershaw §§	Maximum	88	82	83	79	76	66	59	56	69	72	76	67	71	70	78	84	88	92	94	93	93	93	80	77	79	81	89	84	82	86	83	79.7
	Minimum	59	47	50	58	53	47	46	47	41	49	48	48	40	41	47	53	53	56	60	63	63	65	62	45	51	55	62	70	57	58	60	53.4
Landrum	Maximum	79	79	76	72	67	65	61	55	68	68	74	63	69	66	79	80	86	88	91	91	90	85	67	74	78	79	87	70	78	82	78	75.6
	Minimum	59	53	49	55	48	38	48	49	37	47	45	46	37	40	43	55	53	54	58	59	62	59	56	44	49	52	65	63	51	48	60	51.1
Liberty	Maximum	81	82	78	78	78	70	63	62	69	71	74	70	70	67	79	79	82	89	90	92	91	85	75	76	77	82	88	82	83	84	80	78.3
	Minimum	55	48	50	62	64	44	51	50	41	53	45	53	38	40	43	50	52	56	56	56	55	68	62	46	54	56	68	67	57	55	65	53.5
Little Mountain	Maximum	85	80	83	75	74	67	60	60	68	72	70	69	70	67	77	80	87	90	89	93	91	88	81	74	76	74	89	83	84	85	90	78.4
	Minimum	66	53	57	60	54	41	46	50	43	51	52	50	42	40	45	54	60	64	69	64	62	65	63	48	57	60	67	67	60	58	58	55.8
Meriwether	Maximum	86	85	87	76	71	56	57	64	74	70	74	72	74	72	80	81	90	92	93	93	94	90	84	81	79	80	93	83	84	88	88	80.5
	Minimum	67	46	51	53	55	46	52	51	41	52	50	52	41	42	42	48	54	54	53	53	53	60	66	47	56	58	66	68	57	54	....	[a] 53.1
Monetta	Maximum	85	84	84	79	72	69	67	59	69	73	72	69	69	68	77	81	88	90	89	90	92	87	82	77	75	75	89	85	89	86	83	78.9
	Minimum	70	51	55	59	54	46	56	51	44	54	50	50	44	44	49	67	56	60	63	61	53	62	65	47	57	58	67	67	57	57	64	56.1
Mountain Rest	Maximum	76	77	74	68	70	64	55	61	66	66	71	66	65	64	77	75	83	85	86	86	....	....	83	72	74	77	83	74	79	76	71	71.0
	Minimum	58	44	43	56	40	36	46	48	33	42	37	41	31	31	31	45	41	42	46	45	....	....	47	37	47	48	57	66	47	46	58	42.8
Newberry	Maximum	87	83	83	78	75	60	56	71	74	73	71	70	70	71	80	82	89	91	92	93	93	90	79	77	78	76	91	83	84	87	83	79.7
	Minimum	70	45	54	63	45	48	50	39	51	47	50	50	39	43	45	49	52	52	56	55	59	64	64	45	54	55	67	69	56	58	65	53.5
Saluda	Maximum	86	83	84	78	76	74	64	61	70	73	71	69	70	69	77	80	88	90	90	91	91	97	83	83	73	75	90	91	91	85	88	80.5
	Minimum	69	41	49	63	62	45	48	50	39	56	46	47	37	37	38	42	46	48	50	55	48	60	42	42	51	55	66	68	57	51	63	50.5
Santuck	Maximum	86	82	82	74	73	65	59	75	70	72	75	68	71	69	80	....	89	91	91	93	93	87	75	74	80	78	89	84	80	86	83	[a] 78.5
	Minimum	61	45	[illegible]	[illegible]	52	41	46	49	40	49	46	50	41	40	47	....	54	55	57	56	57	64	61	46	52	54	62	66	56	54	64	[a] 52.5
Spartanburg §§	Maximum	83	80	78	70	73	68	56	55	68	70	76	66	70	68	80	82	88	90	92	93	92	83	72	76	79	80	89	89	80	85	82	77.5
	Minimum	55	50	53	56	50	42	44	49	40	43	45	50	38	38	42	53	53	52	57	56	58	61	60	43	52	55	57	64	55	55	57	51.1
Trenton	Maximum	83	81	83	76	71	68	64	59	68	70	70	68	68	68	76	78	85	87	89	88	90	87	83	76	72	73	87	81	79	85	81	77.2
	Minimum	68	52	54	58	53	45	49	50	43	54	54	57	44	42	47	60	58	63	63	61	62	64	60	48	56	59	68	67	58	58	64	56.3
White Oak	Maximum	86	82	83	76	70	74	62	55	68	71	73	71	66	67	79	80	86	90	90	92	92	88	82	74	79	78	88	86	81	86	82	78.6
	Minimum	63	51	51	61	58	46	46	48	41	50	50	50	41	41	46	55	55	59	60	62	62	65	63	46	55	59	66	68	56	57	62	54.6
Winthrop College	Maximum	78	78	73	73	69	69	60	52	66	66	76	70	60	64	76	77	82	85	86	86	87	87	60	69	76	76	85	84	76	79	79	74.3
	Minimum	59	49	53	59	54	45	45	47	40	51	47	49	45	41	45	53	56	56	58	58	59	64	60	45	53	56	65	69	57	55	63	53.4

Reference letters, ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.

UNIVERS[illegible]
[illegible]

51.05
NSC

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

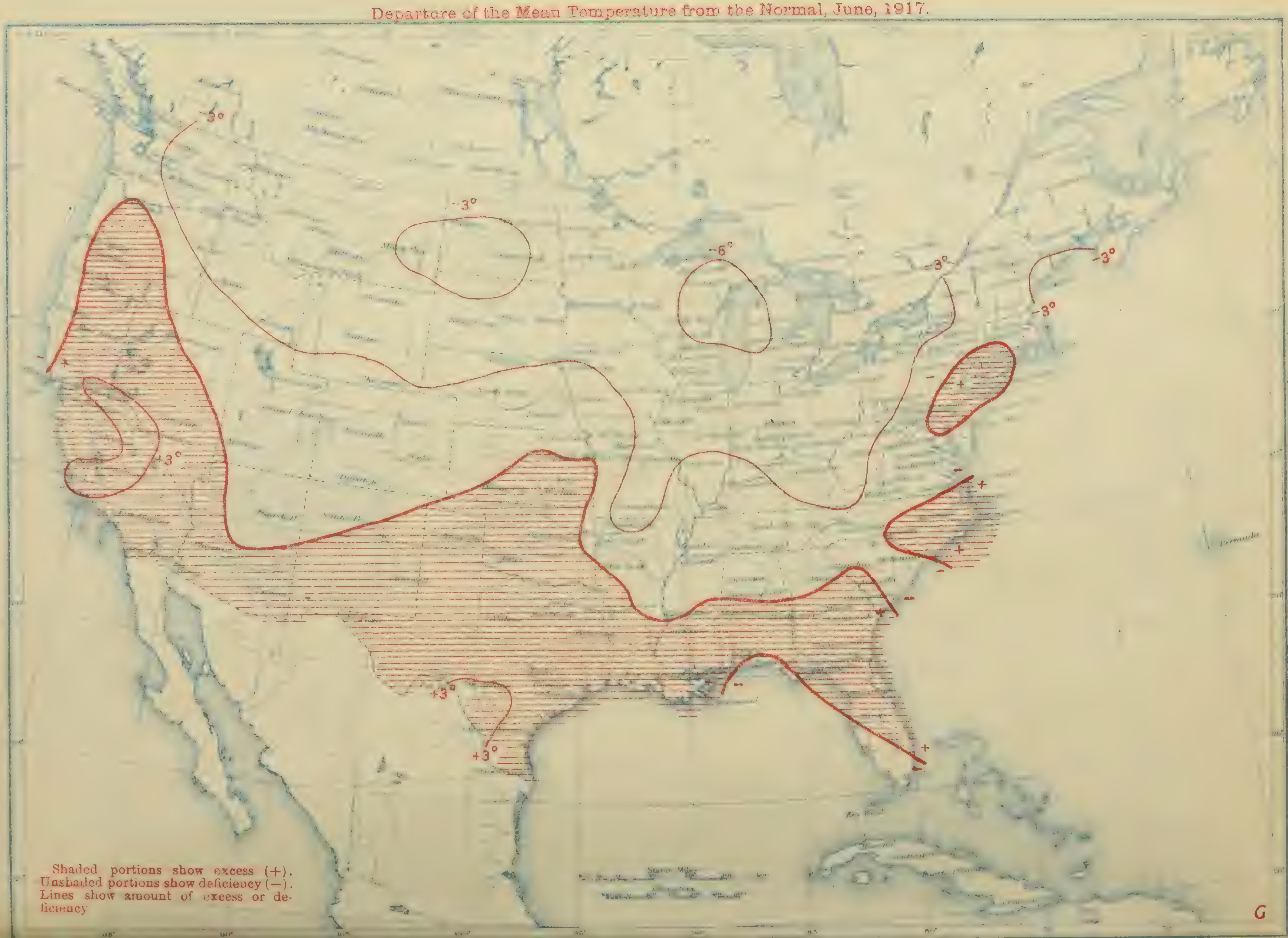
SOUTH CAROLINA SECTION

JUNE, 1917

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
July 31, 1917

Departure of the Mean Temperature from the Normal, June, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency

G

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

Vol. XX. Columbia, S. C., June, 1917. No. 6.

GENERAL SUMMARY.

On account of abnormally cool weather between the 15th and 20th, the June mean temperature was somewhat lower than usual. The rainfall also averaged somewhat below normal and was badly distributed, there being large plus departures over the northeastern counties and marked deficiencies over the southern and western districts.

Crop conditions may be stated by the distribution of rainfall. Cotton in the northeastern counties was small and unsatisfactory, due to cool nights, excessive cloudiness, and much rainfall, while corn, gardens, truck, and forage grew vigorously, with some complaint of grass in the fields. In the western and southern counties, on the other hand, cotton, while still backward, due to cool nights, was in good condition generally, but corn, gardens, truck, and forage were in need of rain in large areas. Tobacco in the eastern counties was in promising condition. The wheat, oat, and rye harvests were practically finished during the month, with good results, except as to oats. Much stubble land was planted to corn, forage, and fall crops. At the close of the month cotton and corn were in various stages of advancement and were in a high state of cultivation, with good cotton prospects generally and many excellent fields of early corn and good stands of late planted corn. Garden and field vegetables were plentiful, and fruit prospects continued favorable.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.07 inches. The highest pressure in the region covered by reports was 30.40 inches at Asheville, N. C., on the 17th, and in the Section proper, 30.35 inches on the same date; lowest pressure, 29.72 inches at Asheville, N. C., on the 9th, and in the Section proper, 29.75 inches at Columbia on the 10th.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 44 stations, was 76.9°, or 0.6° below the established normal. The highest temperature was 102° at the following stations: At Anderson, Anderson County, on the 24th and 26th, and at Blackville, Barnwell County; Meriwether, McCormick County, and Newberry, Newberry County, on the 24th. The warmest period of the month was between the 23d and 29th. The lowest temperature was 43° at Mountain Rest, Oconee County, on the 17th. The coolest period of the month was generally between the 15th and 20th.

HUMIDITY.

The mean relative humidity, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 79% 8 p.m., 69%. The greatest percentages occurred along the immediate coast, and the lowest, over the north-central counties.

PRECIPITATION.

The average for the Section, 58 stations reporting, was 4.49 inches, or 0.52 inch below the established normal. The bulk of the monthly rainfall was recorded generally during the first 15 days, and the last half was marked by intermittent showers and scattered heavy local rains. The total monthly amounts were above normal over the northeastern counties, where the measurements ranged from 6 to over 10 inches; in the western and southern counties the amounts were below normal and ranged downward from 4 inches to less than 2 inches in portions of Anderson, Abbeville, Laurens, and Charleston counties. The greatest local monthly amount was 10.10 inches at Floyd Dale, Dillon County; least amount, 1.33 inches at Anderson, Anderson County. The greatest 24-hour amount at any station was 4.60 inches at Camden, Kershaw County, on the 14th and 15th. The number of rainy days was 20% below normal.

Ervin Painter was killed by lightning during a thunderstorm at Gaffney, Cherokee County, on the 3d. The observer at Monetta reported the destruction of two barns, with their contents, including four horses, by lightning during the month.

Hail was reported at various stations in the State on the 3d, 7th, 9th, 10th, 14th, 19th, 21st, and 25th.

WIND.

The prevailing wind was from the southwest. The average hourly velocity, determined from 7 anemometer records, was 7.8 miles. The highest average velocity in the region covered by reports was 10.4 miles per hour at Savannah, Ga.; lowest average, 5.2 miles per hour at Asheville, N. C. In the Section proper the average velocities were 10.2 miles per hour at Charleston and 6.5 miles per hour at Columbia. The highest velocity for any 5-minute period was 60 miles per hour from the northwest at Charlotte, N. C., on the 21st, and in the Section proper, 37 miles per hour from the southeast at Charleston on the 3d.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 anemometer records, was 302.8 hours, or 70% of the possible amount. The May average, omitted from last month's report on account of lack of space, was 299.8 hours, or 70% of the possible amount. The average number of clear days was 16; partly cloudy, 10, and cloudy, 4, as against normals of 12, 11, and 7 days, respectively.

RIVER CONDITIONS.

The Santee River was close to flood stage at Rimini and Ferguson between the 13th and 19th, incident to heavy rains on the Congaree and Wateree watersheds on the 9-10th and 14-15th. During the latter part on the month the rivers were relatively low.

ERRATA.—March, 1917.

Spartanburg.—Mean temperature, page 20, should be 49.7 mean minimum, page 22, should be 38.3.

ERRATA.—May, 1917.

Pelzer.—Total precipitation, pages 36 and 37, should be 3.94.

MISCELLANEOUS DATA FOR JUNE, 1917.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C.	30.08	67.5	90	40	4.43	1.23	5.2	nw.	86	64	59
Augusta, Ga.	30.05	78.8	98	60	2.88	1.55	5.5	se.	77	63	70
Charleston, S. C.	30.08	77.6	88	64	1.92	1.30	10.2	s.	76	78	83
Charlotte, N. C.	30.06	75.2	94	53	4.70	2.30	9.0	sw.	76	60	69
Columbia, S. C.	30.05	77.6	97	59	4.95	1.68	6.5	sw.	75	59	71
Savannah, Ga.	30.08	78.8	95	60	3.72	2.55	10.4	s.	78	80	74
Wilmington, N. C.	30.08	75.1	90	58	6.97	2.36	7.5	sw.	84	82	66
Means and extremes	30.07	75.8	98	40	4.22	2.36	7.8	sw.	79	69	70

Climatological Data for June, 1917.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'n (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	28	79.6	+0.2	99	24	61	17	32	2.87	−2.53	1.00	0	6	18	12	0	w.	R. B. Vance.
Beaufort	Beaufort	21	30	^{g}77.4	−2.0	^{f}93	2	^{g}61	† 4	^{g}30	6.13	+1.10	1.97	0	7	....	....	....	se.	Miss Lillian H. Rice.
Blackville	Barnwell	296	28	79.1	−0.6	102	24	57	17	34	4.49	−1.13	2.00	0	8	18	7	5	......	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	16	77.0	−1.0	101	24	55	17	38	2.20	−3.54	1.22	0	7	23	5	2	sw.	B. O. Evans.
Centenary	Marion	43	2	77.4	......	100	24	57	17	34	6.43	....	2.05	0	12	3	21	6	sw.	D. L. Carmichael.
Charleston	Charleston	48	46	77.6	−0.9	88	29	64	3	21	1.92	−3.47	1.30	0	9	16	9	5	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	27	76.0	−1.3	97	24	54	17	30	9.34	+4.01	2.24	0	13	....	....	....	......	J. H. Powe.
Conway	Horry	25	31	77.0	−0.1	97	24	56	17	27	6.86	+1.79	1.85	0	10	12	1	17	w.	Paul Quattlebaum.
Darlington ††	Darlington	175	22	76.6	−0.3	98	24	54	17	30	5.03	−0.70	0.72	0	12	13	6	11	......	D. C. McCall.
Edisto ‡‡	Bamberg	143	29	......	......	......	......	......	......	.....	4.31	−2.28	1.38	0	9	....	....	....	....	Nathan Jenkins.
Effingham	Florence	106	24	......	......	......	......	......	......	.....	5.50	−0.85	1.52	0	10	....	....	....	......	H. B. McCall.
Ferguson	Orangeburg	63	31	......	......	97	23	......	......	.....	6.93	+1.09	3.25	0	8	....	....	....	sw.	Joseph P. Simons.
Florence 1	Florence	136	28	77.7	−1.2	97	†24	57	18	30	8.62	+3.21	3.60	0	11	26	2	2	sw.	H. K. Gilbert.
Florence 2	....do	136	2	......	......	......	......	......	......	.....	7.10	+1.69	2.35	0	11	16	12	2	s.	Pee Dee Experiment Sta.
Floyd Dale	Dillon	168	....	......	......	101	†24	......	......	.....	10.10	+3.60	3.30	0	10	....	....	....	......	H. B, Floyd.
Georgetown	Georgetown	12	22	77.1	−1.5	94	24	57	18	34	3.30	−2.59	1.50	0	4	6	22	2	s.	A. P. Hazard.
Kingstree	Williamsburg	54	28	77.5	−0.8	97	24	57	17	28	6.11	+0.77	2.02	0	9	19	4	7	s.	A. O. Matthews.
Oaks ††	Georgetown	......	2	^{a}76.3	......	^{a}98	24	^{a}56	17	^{a}33	6.01	....	1.24	0	10	3	22	5	s.	O. M. Mitchell.
Orangeburg	Orangeburg	264	1	77.6	......	98	24	57	†17	34	2.96	....	1.58	0	5	20	2	8	w.	U. S. Fisheries Station.
Pinopolis **	Berkeley	54	67	74.4	−2.2	89	28	61	†12	.....	2.22	−3.71	0.82	0	9	10	16	4	sw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	3	......	......	......	......	......	......	.....	5.28	....	3.08	0	10	....	....	....	......	William B. Wolfe.
St. George	Dorchester	109	28	77.8	−0.9	99	24	58	17	34	4.16	−1.27	1.80	0	15	19	4	7	sw.	R. S. Weeks.
St. Matthews	Calhoun	62	21	78.0	+0.2	98	† 1	55	17	31	5.49	−0.48	1.57	0	10	16	14	0	e.	J. S. Wannamaker.
Society Hill	Darlington	192	25	^{a}76.8	−0.3	^{a}98	24	^{a}53	17	^{a}32	5.93	+0.10	1.20	0	10	16	10	4	s.	A. H. Rogers.
Summerville	Dorchester	75	19	77.4	0.0	96	24	60	18	30	3.74	−2.02	1.33	0	12	7	23	0	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	14	78.6	+0.2	99	24	61	† 1	37	4.74	−1.44	1.25	0	8	21	9	0	......	J. N. Frank.
Whitehall (near)	....do	4	....	......	......	......	......	......	......	.....	3.31	....	1.58	0	12	23	5	2	s.	Special Rice Exp. Station.
Yemassee	Hampton	24	21	77.0	−1.8	96	† 2	58	16	31	3.40	−2.78	1.15	0	7	21	5	4	s.	J. G. Hutson.
Division means and	extremes	......	....	77.3	−0.7	102	24	^{a}53	17	38	5.17	−0.73	3.60	0	10	14	9	6	s.	
Western Portion.																				
Aiken	Aiken	527	56	77.6	−1.4	99	24	57	17	36	2.97	−1.75	1.81	0	7	23	4	3	sw.	Frank B. McCoy.
Anderson	Anderson	764	21	77.6	+1.2	102	†24	53	†16	37	1.33	−3.36	0.53	0	7	19	2	9	w.	H. H. Russell.
Batesburg	Lexington	656	28	77.0	−0.8	94	† 1	56	16	30	5.62	+0.54	2.85	0	7	18	11	1	sw.	E. J. Hite.
Blairs	Fairfield	293	14	......	......	......	......	......	......	.....	3.05	−1.99	1.68	0	9	....	....	....	......	J. N. Owens.
Calhoun Falls	Abbeville	508	24	77.8	......	101	24	55	15	37	1.81	−3.06	0.88	0	4	14	11	5	sw.	L. M. Parker.
Camden	Kershaw	222	57	^{i}78.6	+2.5	^{a}99	24	^{i}60	20	^{i}33	8.35	+3.82	4.60	0	12	18	8	4	se.	W. C. Brown.
Catawba	York	562	13	......	......	......	......	......	......	.....	4.67	−0.76	1.80	0	10	....	....	....	......	James C. Faris.
Chappells	Newberry	402	13	......	......	......	......	......	......	.....	2.42	−1.86	2.20	0	5	....	....	....	......	J. J. Murran.
Clemson College	Oconee	850	25	73.8	−2.0	89	†24	53	17	30	4.47	−0.47	0.93	0	11	19	9	2	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	30	77.6	−0.6	97	24	59	17	26	4.95	+0.77	1.68	0	11	16	11	3	sw.	U S. Weather Bureau.
Edgefield	Edgefield	......	3	......	......	......	......	......	......	.....	4.04	....	2.10	0	5	....	....	....	......	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	4	......	......	......	......	......	......	.....	4.81	−0.46	2.83	0	8	....	....	....	......	Harry A. Parshall.
Greenville	Greenville	989	24	75.8	+1.8	100	24	50	†16	38	3.22	−1.99	1.89	0	8	17	8	5	sw.	J. H. Woodside.
Greenwood	Greenwood	671	28	76.0	−2.0	98	24	54	17	30	2.32	−1.98	1.15	0	3	28	0	2	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	16	74.2	−2.9	95	23	53	17	32	6.32	+0.71	2.23	0	7	14	15	1	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	1	77.3	......	101	24	53	17	35	7.81	....	3.60	0	10	27	0	3	w.	John W. Hamel.
Landrum	Spartanburg	1063	2	......	......	......	......	......	......	.....	......	....	......	......	....	....	....	....	......	R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	18	76.0	−0.3	97	26	53	17	36	2.60	−2.80	0.70	0	11	13	16	1	sw.	John T. Boggs.
Little Mountain	Newberry	711	24	78.3	+0.4	101	24	52	16	33	3.50	−1.11	2.81	0	5	19	7	4	s.	J. M. Sease, M. D.
Meriwether	McCormick	450	14	^{d}78.8	+1.3	^{c}102	24	^{d}56	†17	^{d}43	2.73	−2.00	1.50	0	5	....	....	....	......	William S. Middleton.
Monetta	Saluda	400	10	77.8	+0.6	99	24	58	†16	35	5.58	−0.10	2.58	0	7	5	23	2	sw.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	2	68.9	......	91	†23	43	17	39	4.16	....	1.13	0	10	....	....	....	......	James L. Brown.
Newberry	Newberry	502	14	78.0	−0.4	102	24	54	17	39	2.58	−1.78	2.15	0	9	1	24	5	s.	Warren G. Peterson.
Pelzer	Anderson	850	13	......	......	......	......	......	......	.....	2.66	−1.86	1.22	0	8	....	....	....	......	Joshua Y. Jones.
Saluda	Saluda	536	16	77.0	−1.0	101	24	52	†17	42	2.05	−2.97	1.79	0	3	22	8	0	sw.	Mrs. F. V. J. Maxwell
Santuck	Union	512	24	77.0	+0.3	101	24	52	17	37	2.45	−1.78	1.37	0	8	13	16	1	s.	E. W. Jeter.
Spartanburg	Spartanburg	875	34	75.6	−0.5	99	26	49	17	34	2.62	−2.57	0.95	0	6	....	....	....	......	F. P. Robinson.
Trenton	Edgefield	620	28	^{b}77.3	−1.2	^{b}97	25	^{b}57	17	^{b}30	2.40	−2.27	2.02	0	2	24	5	1	sw.	Mrs. S. E. Long.
Walhalla	Oconee	1061	14	......	......	......	......	......	......	.....	4.26	−0.94	1.56	0	12	15	12	3	sw.	H. W. Brandt.
White Oak	Fairfield	548	1	77.0	+0.3	99	24	53	17	36	4.58	−0.16	1.91	0	7	19	10	1	s.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	74.7	−1.3	97	24	52	17	31	4.35	−1.03	2.00	0	5	16	13	1	s.	W. P. Goodman.
Division means and	extremes	......	....	76.6	−0.4	102	24	43	17	43	3.82	−1.06	4.60	0	7	17	10	3	sw.	
Section means and	extremes	......	....	76.9	−0.6	102	†24	43	17	43	4.49	−0.52	4.60	0	8	16	10	4	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for June, 1917.

Stations.	Watersheds.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ||||	Savannah				1.00	T.		.05				.72		.09		.95					T.		.06										2.87
Beaufort	Coast			1.72											.60		1.30			1.97		.18							.20		.16		6.13
Blackville ||||	Edisto				2.00			.08		.07	.65			.72		.35							.60	.02									4.49
Bowman	do	.08		.20					1.22	T.	.18					.38			T.	T.	T.		.11	.03	T.					T.	T.		2.20
Centenary	Pee Dee		.32	.10	.31	T.		.10	1.08		.12	.27			T.	1.42						T.	.29			.32				.05	2.05		6.43
Charleston ***	Coast	T.	.01	1.14	.16						.24				.19					.09		.03								.05	.01		1.92
Cheraw ||||	Pee Dee	2.23	.43		1.03	.42			.32	.32	2.24	.45				.98							.03			.03	.02				.84		9.34
Conway ||||	Waccamaw	.05	.07		1.85	T.	.91		.13	.80		.60				1.15										.10					1.20		6.86
Darlington ||||	Pee Dee	.62	.70	T.	.72	.09		.07		.42	.67	.62				.61							.13			.06	.32						5.03
Edisto ||||	Edisto	.09			.06		1.38	.20	.46			.39				.97							.14		.62								4.31
Ellingham ||||	Lynches		.93	.06	.44	.80				.17	.32	.16				1.52							.20								.90		5.50
Ferguson ||||	Santee		.77		.56				.03	.09		.98		.29	3.25											.96							6.93
Florence 1 ||||	Pee Dee	T.	.69	.04	.60	.75				.06	.75	.61				.91							.41			.20					3.60		8.62
Florence 2	do	T.	.50	.17	1.16	T.		T.	.10	.05	.51	.05				1.06						.65			.50					2.35			7.10
Floyd Dale	Little Pee Dee	.50		.40				.28	.80		.35	.35			3.30							1.22			.10					2.80			10.10
Georgetown	Coast			T.						T.	.55			.25		1.50			T.											T.	1.00		3.30
Kingstree ||||	Black	.20	.50		.48	.42			1.54	.48		.31				1.60															.58		6.11
Oaks	do		.21	.32	.91				1.06	.27	.12	.12				.60										1.16					1.24		6.01
Orangeburg	Edisto	.10	.35		.43			T.			.50					1.58																	2.96
Pinopolis	Cooper	.20		.82					.12		.60					.10						.11		.10		.05				.12			2.22
Rimini ||||	Santee		.52		.37	.57				.03	.28	.02				3.08							.10			.11	.20						5.28
St. George ||||	Edisto	.11	.10		1.80	.03		.09	.19	.09		.63				.21					.04		.12	.11	.55	.03					.06		4.16
St. Matthews ||||	Santee	.13	.93		.45						.83	.17				1.55	.02						.61	.30		.50							5.49
Society Hill ||||	do	.07	.40		.43				.18	.36	1.16	.42				1.20							.72								.99		5.93
Summerville	Ashley		.15	1.33	1.11				.04	.02	.84	.02								T.	.02	.04	.08	T.					T.	.08	.01		3.74
Walterboro	Ashepoo	.02		1.04	1.25						.74	.02				.41						.27	.99										4.74
Whitehall (near)	Combahee				1.58	.02					.30				.18					.04	.03	.30	.14	.24					.03	.15	.30		3.31
Yemassee ||||	do	.04			1.15							.53				.65					.12		.85								.06		3.40
Western Portion.																																	
Aiken	Edisto		.54		.03			.27			1.81					.19							.06				.07						2.97
Anderson	Savannah	.09							.10	.50	.03											.10							.11	.40			1.33
Batesburg ||||	Edisto		.20		T.					.11	2.85					.91							.08			.14				1.33			5.62
Blairs ||||	Broad	.17	.49		.06						1.35	.33		.10		.26							.22			.07							3.05
Calhoun Falls ||||	Savannah		.88								.47										.34		.12					T.		T.			1.81
Camden ||||	Wateree	.03	.23	.08	.13				.08	.29	2.32	.40				4.60							.03			.03				.13			8.35
Catawba ||||	Catawba		.32		.31					.29	1.09	.10				.15							.26						.23	.12	1.80		4.67
Chappells ||||	Saluda		.05								1.88	.32				.05															.12		2.42
Clemson College	Savannah		.14	.17					.37	.05		.82			.10					.61		.17			.93					.71	.40		4.47
Columbia ***	Congaree	.68		.57	.33				.04	1.01	.67				.81	.51						T.			.11				.20	.02			4.95
Edgefield ||||	Savannah		2.10		.10							1.55				.19						.10											4.04
Gaston Shoals ||||	Broad		.49		T.					.22	.54	.13				.55						T	.05						.81	2.02			4.81
Greenville ||||	Saluda		.06							.24	1.89	.04				.57					.24		.07							.11			3.22
Greenwood ||||	do										1.15	.42											T.					.75					2.32
Heath Spring	Wateree			1.52						.50	2.23				.37										.09				.11	1.50			6.32
Kershaw	Lynches	.08	.37		1.32					.64	3.27	.33				.64											.13			.13	.90		7.81
Landrum	Broad																																
Liberty	Savannah	.02		.05				.02	.50	.70	.02				.04					.30	T.	.35					T.		.50	.10			2.60
Little Mountain	Saluda		.32						.04		2.81				.25														.08				3.50
Meriwether	Savannah		.41		.28	T.	T.	T.		1.50				.04												.50	T.	T.					2.73
Monetta	Edisto		.11		.02				T.		2.58		T.			1.16				T.		T.	.09	T.		1.33			.29				5.58
Mountain Rest	Savannah	.38		.15				.33	.75	1.13				.28	.27						.51	.20								.16			4.16
Newberry	Saluda	.08	.10	.12	.01				.02	T.	2.15					.07						T.				.01		.02					2.58
Pelzer ||||	do		.18		.16					.30	1.22										.08		.26					.40		.06			2.66
Saluda	do										1.79				.22							.04											2.05
Santuck	Broad	.14		T.					.05	.72	.65					.23						.24						.26	T.	.16			2.45
Spartanburg ||||	do	T.	.57							.55	.95	.31				.23							.01							T.	T.		2.62
Trenton	Edisto	T.									2.02			.38																T.			2.40
Walhalla	Savannah	.10		.07				.22	.26	.43	.05			T.	.32					.67	.09	.15			.34				1.56				4.26
White Oak	Broad		.20	.32	.05				.07		1.45	T.				.58						T.								1.91			4.58
Winthrop College	Catawba				.40				.30		1.20					.45													2.00				4.35

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR JUNE.

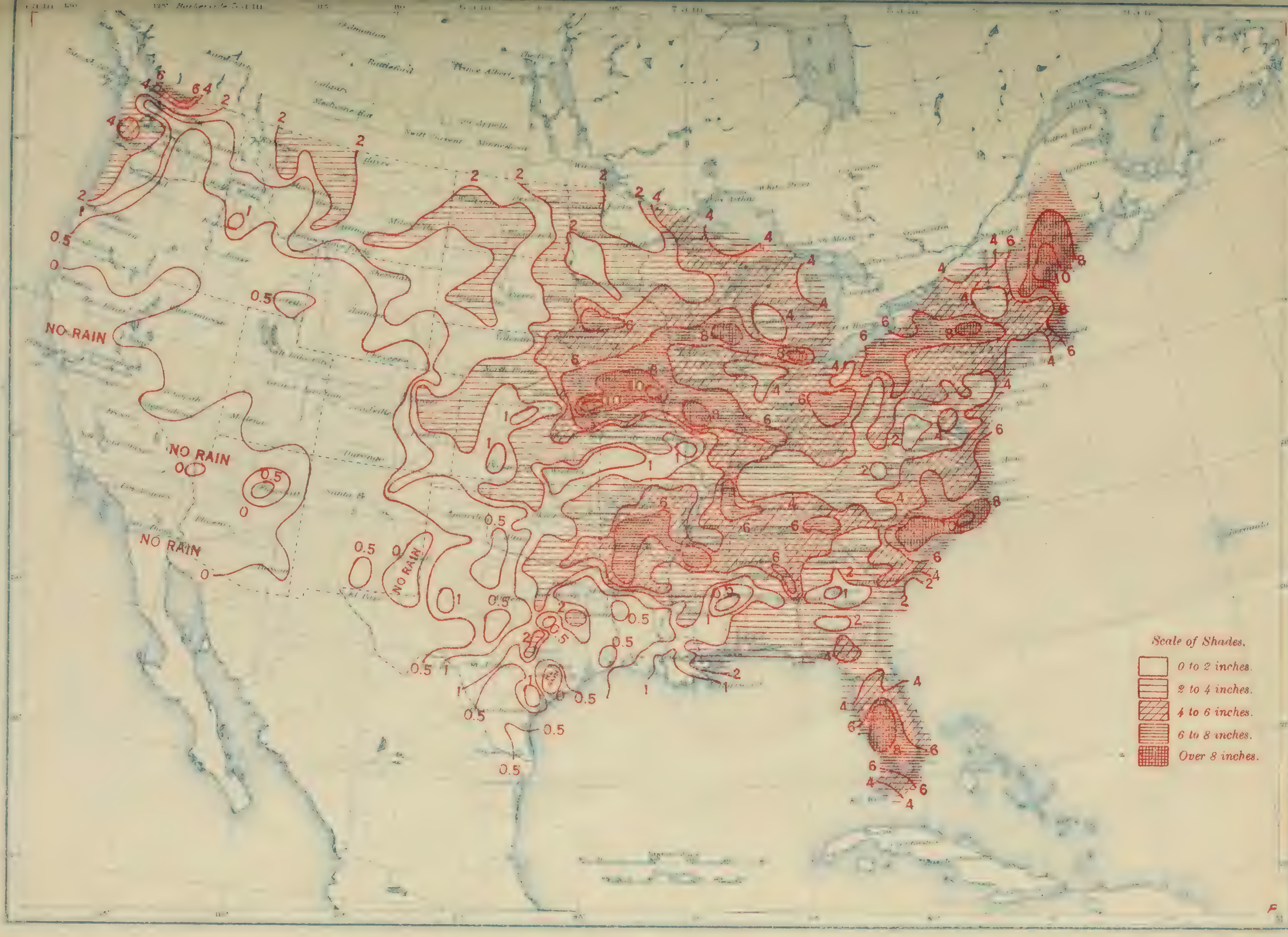
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	77.9	107	44	3.53	8				
1888	78.1	102	51	2.73	7				sw.
1889	74.4	99	39	5.10	10				se.
1890	80.9	103	56	2.41	8				sw.
1891	79.3			3.20					
1892	75.1	99	53	5.25					sw.
1893	76.5	96	53	7.64	12	10	11	9	se.
1894	77.0	105	41	3.91	8	13	12	5	sw.
1895	78.2	105	50	3.04	8	13	13	4	sw.
1896	77.9	102	52	5.42	12	11	12	7	sw.
1897	79.2	103	49	5.44	12	10	13	7	sw.
1898	79.7	105	55	4.15	8	17	10	3	sw.
1899	79.4	105	48	3.89	8	14	10	6	sw.
1900	76.2	97	52	7.94	14	4	15	11	sw.
1901	76.7	102	48	6.55	12	9	12	9	sw.
1902	78.5	105	52	4.48	9	15	10	5	sw.
1903	74.2	96	42	8.09	14	11	10	9	sw.
1904	77.0	102	48	4.06	8	18	7	5	sw.
1905	78.9	101	43	1.92	6	6	14	10	e.
1906	78.4	102	52	8.88	12	13	8	9	sw.
1907	75.8	99	50	5.92	10	12	13	5	sw.
1908	76.6	100	48	4.90	9	13	13	4	ne.
1909	79.2	105	58	6.87	12	10	14	6	sw.
1910	75.5	98	46	7.78	13	10	11	9	sw.
1911	80.9	106	54	3.42	8	14	12	4	sw.
1912	75.5	101	48	5.68	9	13	7	10	sw.
1913	76.2	105	40	5.53	12	15	9	6	sw.
1914	81.1	108	50	3.80	8	14	12	4	sw.
1915	76.0	103	49	4.26	9	14	10	6	s.
1916	76.4	100	48	5.12	11	12	11	7	sw.
1917	76.9	102	43	4.49	8	16	10	4	sw.
Period	77.5	108	39	5.01	10	12	11	7	sw.

Daily Temperatures for June, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	88	98	96	85	91	93	94	95	93	85	89	92	91	92	82	81	82	81	74	91	96	94	95	99	96	94	95	94	92	98	....	90.9
	Minimum	67	71	72	65	68	72	72	71	72	71	66	70	72	71	65	62	61	62	64	63	65	66	68	67	73	71	70	70	70	71	....	68.3
Beaufort	Maximum	91	93	91	86	86	88	88	....	....	....	....	....	....	91	80	88	82	77	86	84	87	88	91	88	92	88	89	86	88	82	....	f 87.3
	Minimum	66	71	....	61	71	70	71	....	....	....	....	....	....	70	64	61	61	62	61	64	66	66	69	71	72	72	71	70	71	69	....	g 67.4
Blackville §	Maximum	99	100	96	87	93	95	93	92	64	87	89	93	93	93	85	84	85	84	76	92	96	94	96	102	97	96	96	97	87	94	....	92.2
	Minimum	65	69	70	63	68	70	69	65	68	65	62	67	70	69	62	59	57	58	61	62	63	63	68	69	71	70	69	69	70	68	....	66.0
Bowman	Maximum	94	93	87	90	92	94	92	88	90	91	92	93	94	92	80	82	82	80	80	91	94	95	96	101	97	95	94	93	91	90	....	90.8
	Minimum	61	62	62	63	64	63	62	64	65	66	66	65	66	65	65	60	55	57	60	62	63	62	63	64	65	68	66	65	66	64	....	63.3
Centenary	Maximum	90	93	92	80	87	92	88	89	89	87	86	90	92	92	78	77	78	79	78	87	91	88	95	100	96	92	94	95	94	83	....	88.4
	Minimum	69	65	69	66	64	69	71	68	67	67	64	66	72	65	66	61	57	58	59	63	63	64	66	69	71	73	68	68	72	71	....	66.4
Charleston	Maximum	86	86	85	79	83	85	84	84	87	85	87	85	84	84	81	81	77	76	77	83	83	86	87	87	85	84	85	87	88	81	....	83.7
	Minimum	72	70	64	69	73	73	75	75	75	70	71	74	76	74	68	65	66	68	67	66	70	68	73	75	76	77	75	76	74	71	....	71.5
Cheraw §§	Maximum	86	89	88	80	86	88	84	79	88	82	82	89	88	85	78	76	78	82	78	85	89	88	93	97	92	91	91	93	89	86	....	86.0
	Minimum	64	64	71	65	65	70	70	66	68	64	64	65	69	68	61	60	54	60	62	62	65	63	65	67	72	72	70	72	73	65	....	65.9
Conway §§	Maximum	89	90	95	79	83	88	87	89	90	87	88	89	88	88	79	79	80	80	79	85	88	91	94	97	90	89	90	92	91	82	....	87.2
	Minimum	70	65	70	66	66	68	72	69	68	70	66	69	70	70	66	62	56	59	60	63	62	65	67	70	70	72	69	69	72	65	....	66.9
Darlington §§	Maximum	90	90	90	80	87	89	87	86	88	81	85	90	91	88	81	78	80	82	78	88	92	90	93	98	92	91	92	92	91	89	....	87.6
	Minimum	65	64	67	65	64	70	71	67	66	65	64	65	71	71	62	58	54	56	59	60	64	64	65	68	71	72	70	70	73	61	....	65.6
Ferguson §§	Maximum	92	92	92	87	90	87	90	90	89	89	90	91	90	89	85	81	79	79	78	86	84	82	97	95	93	91	91	90	90	90	....	88.3
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Florence 1 §§	Maximum	93	92	89	83	92	93	90	86	91	82	86	94	95	94	81	79	78	81	76	89	93	88	94	97	91	93	95	97	95	90	....	89.2
	Minimum	66	64	68	65	65	69	71	70	68	65	64	66	70	70	64	59	61	57	60	62	65	64	67	69	71	71	69	69	73	65	....	66.2
Floyd Dale	Maximum	94	95	95	82	86	93	94	85	88	88	86	96	96	95	93	80	81	82	82	88	94	95	94	101	101	94	92	95	95	85	....	90.8
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Georgetown	Maximum	88	91	92	85	88	88	91	90	79	87	90	90	91	88	80	80	76	73	78	85	88	92	91	94	90	90	90	91	90	84	....	87.0
	Minimum	59	58	73	66	70	72	69	73	70	72	75	78	69	70	65	62	58	57	58	60	62	66	69	69	73	66	69	70	73	66	....	67.2
Kingstree §§	Maximum	93	95	93	84	91	93	91	89	91	87	89	92	91	92	82	80	82	80	78	87	90	88	93	97	90	89	90	89	89	83	....	88.6
	Minimum	70	70	68	65	65	68	73	62	63	70	67	67	73	66	64	61	57	59	61	61	64	64	67	69	73	71	68	68	71	66	....	66.4
Oaks	Maximum	89	92	93	81	84	89	89	88	89	86	87	89	88	90	83	80	80	78	80	87	89	91	94	98	89	89	90	91	92	....	....	a 87.8
	Minimum	69	63	68	65	64	62	70	66	68	65	64	67	70	68	65	60	56	58	60	61	61	65	65	69	61	70	68	66	....	66	....	a 64.8
Orangeburg	Maximum	94	94	91	87	92	93	92	92	93	82	86	91	92	94	81	79	80	80	78	88	94	92	94	98	96	94	94	92	89	90	....	89.7
	Minimum	68	61	64	60	64	66	65	64	65	70	61	71	68	66	64	60	57	57	59	62	62	62	65	64	74	74	74	74	72	72	....	65.5
St. George §§	Maximum	94	96	91	86	91	93	91	90	92	87	88	92	92	93	80	82	83	81	76	89	96	92	97	99	95	93	94	96	93	87	....	90.3
	Minimum	66	64	68	61	64	69	68	68	69	70	64	66	69	67	64	60	58	59	60	64	63	62	64	65	71	70	66	66	68	69	....	65.4
St. Matthews §§	Maximum	98	95	92	86	91	94	91	93	92	33	88	89	90	91	80	77	79	81	75	89	94	90	93	98	92	92	92	92	90	88	....	89.2
	Minimum	67	65	70	64	66	71	70	70	70	67	64	66	72	70	63	60	55	59	61	61	66	64	67	69	73	70	70	70	71	71	....	66.7
Society Hill §§	Maximum	91	91	89	84	88	92	86	86	88	82	84	88	91	90	77	77	77	82	77	87	92	....	93	98	91	94	92	93	90	95	....	a 87.8
	Minimum	67	64	72	65	64	70	71	68	68	65	65	65	70	70	61	58	53	56	59	61	64	64	....	66	72	73	69	71	73	65	....	a 65.8
Summerville	Maximum	91	93	92	84	87	89	89	89	89	85	86	90	90	89	82	83	82	77	76	89	90	89	93	96	91	91	91	89	91	86	....	88.0
	Minimum	71	64	66	64	68	69	70	70	70	66	66	68	70	69	67	61	61	60	63	64	64	64	66	67	72	72	68	68	70	70	....	66.9
Walterboro	Maximum	95	98	96	87	90	85	94	93	92	89	90	92	95	92	82	86	85	82	76	87	95	94	97	99	93	90	92	92	92	91	....	90.7
	Minimum	61	63	67	65	66	70	74	68	73	66	65	....	68	68	66	61	61	61	61	65	62	68	66	67	69	71	68	67	69	75	....	a 66.6
Yemassee §§	Maximum	94	96	94	86	89	91	91	91	90	88	89	91	91	90	82	84	84	80	73	88	92	91	95	96	93	89	90	90	89	86	....	89.1
	Minimum	64	68	66	63	64	66	68	66	68	70	64	66	70	66	63	58	60	60	61	63	63	62	65	65	69	68	66	65	66	67	....	65.0
Western Portion.																																	
Aiken	Maximum	94	93	91	85	92	93	89	89	91	90	84	93	91	90	87	80	81	82	82	88	94	92	93	99	98	94	96	92	94	91	....	90.3
	Minimum	66	67	70	65	68	69	67	68	70	64	61	68	71	71	60	59	57	60	63	59	65	63	68	69	70	62	61	61	61	65	....	64.9
Anderson	Maximum	94	95	87	92	93	97	92	94	95	84	86	93	95	90	90	81	86	95	91	91	92	93	97	102	101	102	98	95	92	93	....	92.9
	Minimum	61	62	66	63	63	65	68	59	62	62	57	63	66	68	55	53	53	56	61	56	60	61	66	66	67	69	65	67	65	63	....	62.3
Batesburg §§	Maximum	94	93	90	86	92	92	87	87	91	89	84	89	89	89	79	75	79	83	75	88	92	90	93	94	94	92	91	92	87	86	....	88.1
	Minimum	65	68	69	65	67	69	71	64	66	65	64	66	70	70	61	56	57	58	62	69	62	65	66	73	70	70	71	69	70	68	....	65.9
Calhoun Falls	Maximum'	94	94	86	90	93	95	87	90	93	90	88	92	94	92	84	81	85	89	82	90	96	94	99	101	97	99	94	94	93	95	....	91.7
	Minimum	62	64	67	64	65	67	71	62	65	64	58	58	65	70	55	56	57	58	64	62	61	62	65	66	66	71	67	70	68	65	....	63.8
Camden §§	Maximum	93	93	88	82	90	95	90	86	90	82	85	89	89	89	82	77	80	....	82	87	94	90	96	99	94	98	91	83	89	96	....	88.9
	Minimum	63	64	74	70	70	75	75	75	75	68	68	69	....	74	67	66	64	64	....	60	61	62	72	....	....	....	....	....	....	....	....	i 68.4
Clemson College	Maximum	85	86	85	84	86	87	87	80	83	80	80	86	86	85	81	76	77	80	80	81	82	84	86	89	89	89	87	85	82	84	....	83.7
	Minimum	61	62	65	65	63	66	65	61	64	64	59	64	67	71	55	55	53	56	58	69	68	68	64	64	65	69	69	68	70	65	....	63.8
Columbia	Maximum	92	92	90	82	87	91	87	88	90	81	85	87	89	89	81	76	80	80	73	88	93	89	95	97	91	90	92	92	85	86	....	87.3
	Minimum	66	68	66	66	69	71	73	70	66	66	64	69	72	69	63	62	59	61	64	63	68	66	70	73	73	72	72	72	71	73	....	67.9
Greenville §§	Maximum	95	93	89	89	95	95	87	84	87	81	86	92	94	87	80	78	82	90	81	89	91	90	97	100	97	98	96	96	90	94	....	90.1
	Minimum	59	62	63	64	66	66	67	57	62	63	57	61	67	70	53	50	50	52	62	56	60	60	60	63	65	67	67	66	65	62	....	61.4
Greenwood §§	Maximum	91	91	87	86	91	91	84	87	91	78	81	88	88	85	80	77	79	84	78	88	92	91	95	98	95	94	89	88	86	89	....	87.4
	Minimum	63	65	68	65	67	70	61	63	69	64	60	62	66	70	59	66	54	58	61	58	63	63	66	70	70	70	65	70	68	66	....	64.7
Heath Spring	Maximum	93	80	74	83	86	89	84	76	88	80	81	89	86	85	75	75	81	82	83	85	90	89	95	91	90	91	90	88	83	84	....	84.9
	Minimum	70	67	60	60	62	64	70	72	69	63	64	59	66	67	56	56	53	54	63	58	61	63	66	68	66	65	67	63	67	66	....	63.5
Kershaw §§	Maximum	95	92	94	86	91	94	90	85	90	84	88	90	93	89	84	79	84	87	79	89	95	92	98	101	97	93	95	95	91	90	....	90.3
	Minimum	65	64	70	64	65	69	69	67	63	64	59	63	67	70	62	58	53	55	59	58	63	63	64	66	69	69	70	70	69	64	....	64.3
Landrum	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Liberty	Maximum	92	90	85	90	92	93	88	85	83	78	85	90	92	85	82	78	83	81	89	87	86	89	98	95	95	97	94	93	88	84	....	88.2
	Minimum	60	62	65	65	66	66	70	60	64	63	59	65	65	70	54	54	53	63	65	68	62	62	73	67	66	68	69	68	59	64	....	63.8
Little Mountain	Maximum	93	91	90	83	91	92	89	89	93	89	83	89	88	88	81	76	80	85	86	88	93	92	97	101	95	95	93	92	88	89	....	89.3
	Minimum	72	70	71	67	69	71	71	66	70	62	62	69	70	70	60	52	54	67	63	60	66	67	68	71	73	75	75	70	68	68	....	67.3
Meriwether	Maximum	96	96	89	89	96	95	95	95	96	89	94	92	94	86	....	....	84	86	79	93	99	97	....	102	98	95	96	97	95	94	....	c 93.2
	Minimum	63	66	66	66	66	64	64	64	64	60	63	68	69	....	....	....	56	58	61	56	64	67	....	66	69	67	67	68	65	65	....	d 64.3
Monetta	Maximum	95	93	92	87	94	92	88	90	93	87	85	89	92	90	81	77	81	84	77	89	93	91	97	99	96	92	92	93	85	88	....	89.4
	Minimum	66	68	70	65	68	69	71	66	69	66	62	66	72	71	62	58	58	59	62	60	64	64	68	67	64	70	70	70	70	69	....	66.1
Mountain Rest	Maximum	76	85	79	82	86	87	79	79	76	74	83	84	86	79	79	72	77	82	81	71	83	88	91	91	89	91	89	88	83	86	....	82.5
	Minimum	54	55	57	53	54	58	60	52	57	56	52	57	59	62	47	49	43	48	51	52	56	54	56	60	58	59	63	60	62	55	....	55.3
Newberry	Maximum	95	95	90	86	95	95	89	91	93	81	86	92	92	91	84	78	83	86	76	92	95	94	100	102	99	96	94	93	90	92	....	90.8
	Minimum	63	65	68	68	69	71	73	62	65	65	62	64	69	71	60	57	54	56	62	56	63	63	65	67	71	69	70	72	70	68	....	65.3
Saluda	Maximum	96	94	92	84	95	93	88	90	95	87	86	93	90	90	89	84	82	85	77	90	95	93	98	101	98	98	95	95	90	92	....	91.2
	Minimum	60	64	75	65	68	70	72	60	....	64	58	69	68	70	68	57	52	52	60	53	60	60	64	64	65	65	68	67	70	66	....	a 62.8
Santuck	Maximum	95	95	93	86	95	96	90	88	92	81	86	89	90	90	84	77	82	88	79	91	94	91	97	101	98	98	97	94	90	91	....	90.6
	Minimum	62	62	66	66	66	70	71	60	65	64	60	63	66	63	59	56	52	54	61	56	61	62	64	66	69	67	68	69	68	64	....	63.3
Spartanburg §§	Maximum	94	90	85	87	92	95	87	82	86	81	85	90	91	86	80	76	82	88	82	90	91	91	97	98	96	99	97	98	90	91	....	89.2
	Minimum	62	61	63	64	65	68	69	58	62	63	58	61	65	70	54	54	49	54	58	56	59	60	61	63	68	68	67	69	67	63	....	62.0
Trenton	Maximum	93	90	86	85	90	90	84	81	92	78	84	89	89	79	81	84	75	....	....	88	90	92	94	97	97	94	93	92	85	92	....	b 88.0
	Minimum	65	65	70	65	68	70	70	67	69	62	67	65	59	58	59	58	57	....	....	65	65	64	66	69	77	71	69	79	71	74	....	b 66.6
White Oak	Maximum	94	92	89	85	92	93	91	87	95	81	85	89	91	87	80	76	80	84	91	89	93	91	96	99	97	94	95	97	87	88	....	89.6
	Minimum	64	63	65	65	66	69	70	63	67	64	61	66	68	63	61	58	53	59	62	57	65	62	67	70	70	66	70	66	67	65	....	64.4
Winthrop College	Maximum	82	87	85	83	88	88	88	85	86	87	79	86	87	85	85	76	75	80	81	76	76	82	94	97	96	93	89	88	73	84	....	81.7
	Minimum	61	63	68	65	66	69	74	63	66	64	60	67	70	71	61	57	52	56	63	60	63	63	66	67	70	67	67	65	69	65	....	64.7

Reference letters, (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
NO RAIN
NO RAIN
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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

[illegible]

CLIMATOLOGICAL DATA

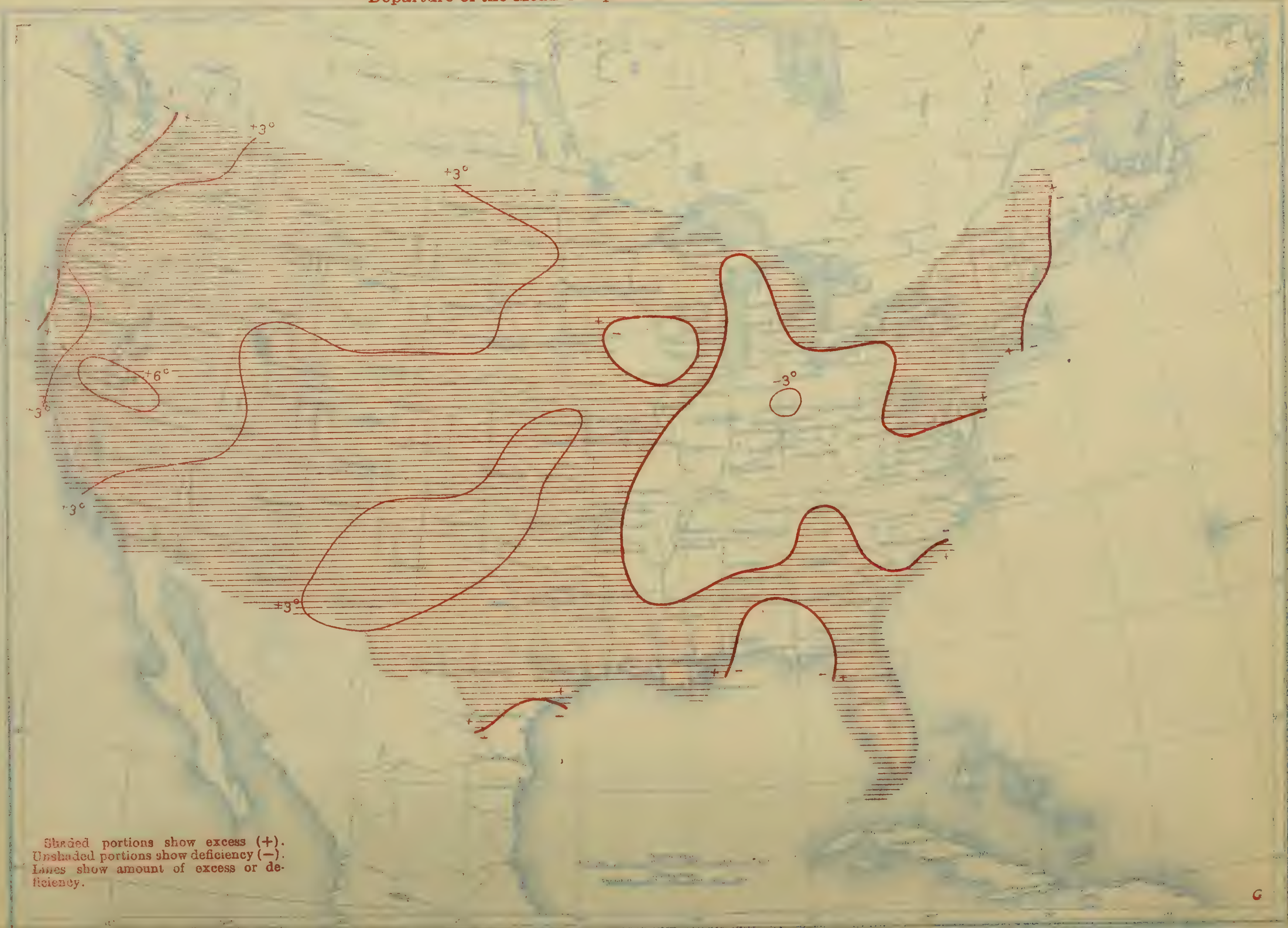
SOUTH CAROLINA SECTION

JULY, 1917

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
September 10, 1917

Departure of the Mean Temperature from the Normal, July, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

VOL. XX. COLUMBIA, S. C., JULY, 1917. No. 7.

GENERAL SUMMARY.

While the past month was one of frequent showers, with unequal distribution as to amounts of rainfall, the general weather conditions were quite close to the seasonal average, in marked contrast to the unprecedentedly heavy rainfall and abnormally low temperatures of last July, with their destructive effects.

Notwithstanding a condition of semi-drought over portions of the Piedmont counties and a superabundance of rain in many of the eastern counties, all crops showed marked improvement, with prospects for a generally bountiful output. Cotton had developed to nearly seasonal growth and was fruiting well generally, and early bolls were opening in scattered sections at the close of the month. Corn was in good to excellent condition, and the soaking rains of the third week practically assured the early crop; roasting ears were plentiful during the first week, and fodder pulling became quite general during the last week. The tobacco crop continued in excellent condition generally. Truck, gardens and the various kinds of forage were promising, and fruits, vegetables, and melons were plentiful. The pea and velvet bean acreage has been largely increased, and preparations for fall plantings were making favorable progress.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.03 inches. The highest pressure in the region covered by reports was 30.24 inches at Asheville, N. C. on the 26th, and in the Section proper, 30.23 inches at Columbia on the same date; lowest pressure, 29.65 inches at Charlotte, N.C., on the 10th, and at Wilmington, N. C., on the 11th, and in the section proper, 29.68 inches at Columbia on the 11th.

TEMPERATURE.

The monthly mean for the Section determined from reports of 38 stations, was 79.9°. The highest temperature was 102° at Calhoun Falls, Abbeville County, on the 9th and 31st. The warmest period was generally during the last week, but maximum temperatures occurred on various dates at a number of stations during the earlier part of the month. The lowest temperature was 52° at Mountain Rest, Oconee County, on the 10th. The coolest period of the month was generally about the first, but minimum temperatures occurred at many stations of the western portion up to the 18th.

HUMIDITY.

The mean relative humidity, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 84%; 8 p.m., 78%. The highest percentages occurred over the extreme eastern and southern coast districts, and the lowest, over the lower Piedmont counties.

PRECIPITATION.

The average for the Section, 56 stations reporting, was 6.56 inches, or 0.72 inch above the established normal and 8.13 inches below the average for the great wet July of last year. There were two pronounced rainy periods: during the first decade and between the 17th and 22d; and, while precipitation was recorded in some part of the State on every date of the month, there were notable deficiencies over the greater portion of the Piedmont counties during the first period. In consequence, the monthly total amounts in this section were below normal and ranged from 4 inches downward to less than 3 inches, while throughout the eastern coastal plain and in small areas of the northern counties the amounts ranged from 6 to over 11 inches. The greatest local monthly amount was 11.41 inches at Ferguson, Orangeburg County; least amount, 2.26 inches at Greenwood, Greenwood County. The greatest amount during any 24 hours was 4.37 inches at Catawba, York County, on the 17th and 18th. The average number of rainy days was 9% above normal.

Hail occurred at Bowman on the 9th and at Walhalla on the 30th.

The following deaths by lightning were reported during the month: At Cameron, Calhoun County, on July 11, Jerry Dix, a negro; at Orangeburg, Orangeburg County, on July 27, H. K. Drew, a prominent citizen. Damage by lightning.—At Lancaster, Lancaster County, a cotton warehouse and 50 bales of cotton burned on July 2; in the Pond Creek section, south of Lexington, Lexington County, a horse and mule valued at $700, killed on July 25.

WIND.

The prevailing wind was from the southwest. The average hourly velocity, determined from 7 anemometer records, was 7.0 miles. The highest average velocity in the region covered by reports was 9.5 miles per hour at Charleston; lowest average 4.9 miles per hour at Augusta, Ga., and in the Section proper, 6.4 miles per hour at Columbia. The highest velocity for any 5-minute period was 46 miles per hour from the northeast at Charleston on the 8th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 262.7 hours, or 60% of the possible amount. The average number of clear days was 14; partly cloudy, 9, and cloudy, 8, as against normals of 12, 12, and 7 days, respectively.

RIVER CONDITIONS.

The Santee River was in moderate flood between the 21st and 29th, incident to copious showers and heavy to excessive rains over the upper reaches between the 17th and 22d, the run-off being materially retarded by heavy crop growth and extensive soil cultivation.

ERRATA.—June, 1917.

Columbia.—Minimum temperature 28th, page 46, should be 71.

Saluda.—Mean minimum temperature, page 46, should be [a]63.9; mean temperature, page 44, should be [a]77.6.

MISCELLANEOUS DATA FOR JULY, 1917.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.02	72.0	91	55	3.84	0.78	5.2	se.	89	75	55
Augusta, Ga.......	30.01	80.5	96	67	5.75	1.90	4.9	se.	82	74	60
Charleston, S. C...	30.01	80.8	95	66	9.95	2.43	9.5	s.	78	82	80
Charlotte, N. C...	30.01	77.4	97	63	5.85	1.45	7.9	sw.	86	70	56
Columbia, S. C....	30.03	80.5	96	66	4.41	1.11	6.4	sw.	85	78	48
Savannah, Ga.....	30.04	81.2	96	68	8.39	1.31	8.1	sw.	83	84	63
Wilmington, N. C.	30.03	78.9	97	67	12.37	2.22	7.3	sw.	86	83	57
Means and extremes......	30.03	78.6	97	55	7.22	2.43	7.0	sw.	84	78	60

Climatological Data for July, 1917.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	28	81.4	+0.1	97	†29	66	2	25	8.84	+3.33	1.64	0	12	8	21	2	s.	R. B. Vance.
Beaufort	Beaufort	21	30	^{a}80.3	−0.8	^{a}101	29	^{a}65	11	^{a}26	4.47	−1.60	1.18	0	11	9	18	4	se.	Miss Lillian H. Rice.
Blackville	Barnwell	296	28	80.8	−0.9	99	†28	65	2	29	7.12	+1.80	1.90	0	14	16	10	5	....	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	16	80.4	0.0	101	†30	60	1	35	8.43	+2.89	2.05	0	15	18	12	1	sw.	B. O. Evans.
Centenary	Marion	43	2	79.6	....	96	31	67	† 1	22	9.47	....	3.15	0	15	6	11	14	sw.	D. L. Carmichael.
Charleston	Charleston	48	46	80.8	−0.5	95	28	66	8	21	9.95	+2.69	2.43	0	16	11	14	6	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	27	79.4	−0.5	96	†30	65	1	26	6.63	+0.85	1.95	0	13	....	....	....	....	J. H. Powe.
Conway	Horry	25	31	80.2	+0.1	97	31	65	1	24	9.39	+2.90	2.23	0	16	12	1	18	sw.	Paul Quattlebaum.
Darlington ††	Darlington	175	22	80.3	+0.3	97	31	65	† 2	27	6.01	+1.18	2.62	0	13	11	2	18	....	D. C. McCall.
Edisto ‡‡	Bamberg	143	29	....	....	....	....	....	....	....	9.06	+3.42	2.05	0	14	....	....	....	....	Nathan Jenkins.
Effingham	Florence	106	24	....	....	....	....	....	....	....	6.43	+1.95	1.50	0	12	....	....	....	....	H. B. McCall.
Ferguson	Orangeburg	63	31	....	....	^{f} 98	28	....	....	....	11.41	+5.49	2.00	0	14	....	....	....	....	Joseph P. Simons.
Florence 1	Florence	136	28	80.4	−1.0	100	31	66	2	25	6.06	+0.79	1.43	0	15	16	3	12	sw.	H. K. Gilbert.
Florence 2	....do	136	2	....	....	....	....	....	....	....	7.95	+2.70	2.65	0	12	12	14	5	s.	Pee Dee Experiment Sta.
Floyd Dale	Dillon	168	....	....	....	99	†29	....	....	....	7.81	+2.10	1.05	0	12	....	....	....	....	H. B, Floyd.
Georgetown	Georgetown	12	22	^{a}81.2	+0.6	97	21	67	† 4	27	10.33	+3.38	2.10	0	12	6	16	9	s.	A. P. Hazard.
Kingstree	Williamsburg	54	28	....	....	....	....	65	1	....	8.36	+2.76	1.68	0	15	19	3	9	s.	A. O. Matthews.
Oaks ††	Georgetown	....	2	79.6	....	95	31	65	1	22	7.55	....	1.73	0	16	3	21	7	s.	O. M. Mitchell.
Orangeburg	Orangeburg	264	1	81.2	....	98	†30	62	1	34	9.05	....	1.52	0	12	13	6	12	....	U. S. Fisheries Station.
Pinopolis **††	Berkeley	54	67	75.8	−2.6	90	31	69	2	....	14.11	+7.02	4.48	0	11	6	13	12	....	Miss E. P. Ravenel.
Rimini	Clarendon	97	3	....	....	....	....	....	....	....	8.11	....	1.44	0	15	....	....	....	....	William B. Wolfe.
St. George	Dorchester	109	28	80.0	−0.8	99	†30	62	1	32	8.75	+2.74	2.65	0	16	14	8	9	sw.	R. S. Weeks.
St. Matthews	Calhoun	62	21	80.4	+0.5	97	†30	63	18	28	9.64	+4.23	2.88	0	12	13	12	6	w.	J. S. Wannamaker.
Society Hill	Darlington	192	25	80.0	+0.5	98	31	65	1	27	6.94	+0.75	1.90	0	15	13	11	7	sw.	A. H. Rogers.
Summerville	Dorchester	75	19	80.4	+0.5	95	30	66	1	25	6.22	+0.20	1.42	0	13	6	23	2	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	14	^{a}81.2	+1.1	^{a}100	27	^{a}61	6	^{a}29	7.86	+0.52	2.29	0	11	22	3	6	....	J. N. Frank.
Whitehall (near)	....do	4	....	....	....	....	....	....	....	....	5.26	....	1.00	0	15	23	5	3	s.	Special Rice Exp. Station.
Yemassee	Hampton	24	21	79.2	−1.8	95	†28	63	1	28	5.46	−1.29	1.57	0	15	24	4	3	sw.	J. G. Hutson.
Division means and	extremes	....	....	80.4	+0.1	101	†29	61	6	35	7.87	+2.01	3.15	0	14	13	10	8	sw.	
Western Portion.																				
Aiken	Aiken	527	56	^{f}79.2	−2.0	^{e}96	9	^{f}38	2	^{f}38	6.92	+2.38	1.41	0	12	....	....	....	....	Frank B. McCoy.
Anderson	Anderson	764	21	....	....	....	....	^{c}60	1	....	3.53	−1.79	1.61	0	10	21	0	10	w.	H. H. Russell.
Batesburg	Lexington	656	28	79.2	−0.5	94	31	61	19	28	5.35	−0.08	2.12	0	9	16	10	5	sw.	E. J. Hite.
Blairs	Fairfield	293	14	....	....	....	....	....	....	....	4.40	−0.70	1.47	0	7	....	....	....	....	J. N. Owens.
Calhoun Falls	Abbeville	508	24	81.3	....	102	9	62	†11	38	4.24	−0.50	0.73	0	12	11	10	10	s.	L. M. Parker.
Camden	Kershaw	222	57	....	....	99	31	....	....	....	3.25	−1.60	0.77	0	12	15	12	4	sw.	W. C. Brown.
Catawba	York	562	13	....	....	....	....	....	....	....	9.99	+4.25	4.37	0	9	....	....	....	....	James C. Faris.
Chappells	Newberry	402	13	....	....	....	....	....	....	....	6.19	+1.92	3.66	0	11	....	....	....	....	J. J. Murran.
Clemson College	Oconee	850	25	77.5	−0.3	92	30	55	3	31	3.83	−1.40	0.95	0	8	23	3	5	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	30	80.5	−0.6	96	31	66	17	25	4.41	−1.65	1.11	0	14	9	10	12	sw.	U S. Weather Bureau.
Edgefield	Edgefield	....	3	....	....	....	....	....	....	....	7.37	....	2.62	0	7	....	....	....	....	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	4	....	....	....	....	....	....	....	4.18	−3.80	0.99	0	11	....	....	....	....	Harry A. Parshall.
Greenville	Greenville	989	24	78.9	+2.5	100	†30	60	11	36	8.19	+2.77	1.95	0	14	16	6	9	sw.	J. H. Woodside.
Greenwood	Greenwood	671	28	79.1	−0.9	96	31	60	18	25	2.26	−2.83	0.58	0	8	18	0	13	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	16	77.4	−3.0	96	31	63	† 5	26	6.66	+2.41	3.00	0	8	0	28	3	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	1	80.5	....	99	31	65	† 1	32	4.63	....	1.56	0	11	27	0	4	w.	John W. Hamel.
Landrum	Spartanburg	1063	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	18	79.5	+0.3	97	†30	63	† 5	31	5.12	−0.68	1.40	0	13	11	18	2	sw.	John T. Boggs.
Little Mountain	Newberry	711	24	80.2	−0.2	98	31	66	† 5	28	5.24	+0.50	0.82	0	15	15	6	10	s.	J. M. Sease, M. D.
Meriwether	McCormick	450	14	81.3	+1.1	100	†17	65	† 5	32	3.58	−1.37	0.73	0	9	....	....	....	....	William S. Middleton.
Monetta	Saluda	400	10	80.3	+0.6	98	31	67	† 1	26	5.98	+1.62	1.94	0	11	8	19	4	sw.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	2	73.5	....	93	31	52	10	38	6.19	....	1.79	0	11	20	0	11	....	James L. Brown.
Newberry	Newberry	502	14	81.0	+0.2	101	31	65	† 5	32	4.88	+0.44	1.23	0	11	5	19	7	sw.	Warren G. Peterson.
Pelzer	Anderson	850	13	....	....	....	....	....	....	....	5.95	+0.65	1.44	0	11	....	....	....	....	Joshua Y. Jones.
Saluda	Saluda	536	16	79.8	−0.7	99	15	61	12	32	6.43	+2.22	1.32	0	11	17	9	5	s.	Mrs. F. V. J. Maxwell
Santuck	Union	512	24	79.9	+0.3	99	†16	63	1	34	5.03	+0.08	1.67	0	9	11	15	5	s.	E. W. Jeter.
Spartanburg	Spartanburg	875	34	79.2	+0.2	99	30	61	5	33	2.82	−1.48	0.88	0	6	....	....	....	....	F. P. Robinson.
Trenton ††	Edgefield	620	28	79.0	−1.5	^{k}100	29	^{l}59	8	^{l}33	2.97	−2.68	1.08	0	5	....	....	....	se.	Mrs. S. E. Long.
Walhalla	Oconee	1061	14	....	....	....	....	....	....	....	6.00	+0.04	2.08	0	15	10	17	4	sw.	H. W. Brandt.
White Oak	Fairfield	548	1	79.8	+0.2	98	15	65	† 1	28	5.02	+0.11	1.40	0	11	16	8	7	sw.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	77.4	−2.5	92	†30	64	5	26	7.25	+2.36	2.50	0	9	9	18	4	s.	W. P. Goodman.
Division means and	extremes	....	....	79.3	−0.1	102	† 9	52	10	38	5.34	+0.96	4.37	0	10	14	10	7	sw.	
Section means and	extremes	....	....	79.9	0.0	102	† 9	52	10	38	6.56	+0.72	4.37	0	12	14	9	8	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for July, 1917.

Stations.	Watersheds.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ||||	Savannah			1.64	.40	.70		.83			.72			.78	T.				.64	.92	.64	1.05	.45	.07									8.84
Beaufort	Coast		.73	.09	.45							.35	.70	.23			T.	T.	.40	1.18			T.	.27	.05			.02					4.47
Blackville ||||	Edisto			.26	.30	.21		1.90		.10	.80			.25	.15				.70	1.00	.75	.20	.20						.30				7.12
Bowman	do		1.28	T.	2.05	.05		.90	.44	.15	.36		.98	.03		T.		.18	.07	1.20	.26	.18						.24					8.43
Centenary	Pee Dee		1.03	.08	.37	.16	.72	.63	.17	T.	.25		T.	.54				.44	.07	1.60	.23	T.	.03		3.15								9.47
Charleston ***	Coast		.26	1.55	1.37	.13	.06	2.06	1.24	.13	.28		.05	.05				.03	T.	1.67	.76		.30				T.	T.	.01				9.95
Cheraw ||||	Pee Dee			1.95	.18	.80		.40	.10		.07								.45	.67	1.00	.12	.45		.20	.24							6.63
Conway ||||	Waccamaw	.04		.81	.05	.77	T.	2.23	.19	1.06	.12	.04		T.					.14	.59	1.57	T.		.72	.08	.80				.18			9.39
Darlington ||||	Pee Dee			.55	.10	.07		.52	.05	.03	.09								.40	.60	2.62	.40	.25	.33									6.01
Edisto ||||	Edisto			.85	2.05	.47		.87	.61	.17	.55			.45					.45	.18	1.09	.90	.11						.31				9.06
Effingham ||||	Lynches			.86		1.50		.12	.77	.88	.55			.08						.38	.52	.56	.12	T.					.09				6.43
Ferguson ||||	Santee			1.53	1.80	.10		2.00	1.10	.51	1.08	.12							.52	1.26		.15			.36				.30	.58			11.41
Florence 1 ||||	Pee Dee			.61	.18	1.43	.12	.03	.09		.08	.03		.04					.21	1.02	1.38	.48	.16	T.	T.	.18							6.04
Florence 2	do		.95		2.05	T.		.35			.90	.50		.13				.02	.20	1.78	.50		.54		.03								7.95
Floyd Dale	Little Pee Dee		.60	.85	1.05	.52	.55	.52		.78								.62	.98	.50	.44		.20					.20					7.81
Georgetown	Coast			.90	.73	.40	.60	1.30	2.00	.60		T.	T.					T.	.40	2.10	T.	.30	.50		.50	T.							10.33
Kingstree ||||	Black			1.00	.25	.75	.08	.23	.71	.53	.68	T.		.13	.80				.20	.80	1.68	.29	.23										8.36
Oaks	do		.70	.22	.48	.16	.35	.22		.60	.63		.03					.29	1.73	1.05	.62	.05	.12						.30				7.55
Orangeburg	Edisto			.32	.65			.70	T	.42	.10			1.10					.50	1.20	1.52	1.44	.20	T.					.90				9.05
Pinopolis	Cooper	20	1.12	.70	1.95		4.48	.40	2.40				.23							1.40	.57							.65					14.11
Rimini ||||	Santee			.66	.13	.80	.01	1.20		.40	.06	.05		.64					.19	.48	1.44	.70	1.05	.30									8.11
St. George ||||	Edisto			1.18	.89	.50		1.38	1.27	.65	.17			.17	.89				.20	.02	1.01	.22	.03			.11			.06				8.75
St. Matthews ||||	Santee			1.25		1.45		2.65	.23	1.65	.08			.14					.20	.89	.41	.33	.36										9.64
Society Hill ||||	do			.26	.10	1.27		.04		1.90	.07	.13							.44	.46	1.05	.32	.42	.01	.10	.37							6.94
Summerville	Ashley		.28	.17	.48	.15	T.	1.42		1.30	.11		.15					.06		.92	.70		.18		.50								6.22
Walterboro	Ashepoo		1.65	.89	2.29	.06		.76		.56	.08		.31							1.05			.15		.06								7.86
Whitehall (near)	Combahee	.42	1.00		.18		.83	.60			.22	.15	.30	.13				.24		.76		.04	.05		.08			.26					5.26
Yemassee ||||	do		9.08	.07	.21	1.57	.18	T.	.02		.47	.02		.13	.03					.20	.31	.18					.91				1.08		5.46
Western Portion.																																	
Aiken	Edisto				.18			.04			.46						.71	1.17	.25	.52	1.41	.57	.27						.13	1.21			6.92
Anderson	Savannah				.37		.04											.26	1.61	.18	.15	.18	.15		.15			.44					3.53
Batesburg ||||	Edisto				.32	.41		.74			T.				T.		T.		.72	.03	.97	1.25	.69	T.			T.		.22		T.		5.35
Blairs ||||	Broad			1.30	.17														1.07	.06	1.06		.62	.12									4.40
Calhoun Falls ||||	Savannah				.13	.20		.10				T.		T.			.47		.15	.68	.12		.73	.93		.43	.08		.22				4.24
Camden ||||	Wateree					.38		.04		.30	.03				.20			T.	.56	.44	.77	.13	.20	T.	.15					.05			3.25
Catawba ||||	Catawba				.36	1.86													4.37	.64	.74	.41	.94		.52	.15							9.99
Chappells ||||	Saluda				.19	.24										.08		.20	3.66	.96		.05	.20	.10			.05	.04		.42			6.19
Clemson College	Savannah			.10	.35												.25	.95	.55	.69	T.	.07				.87							3.83
Columbia ***	Congaree		.04	.12	.67	T.	.17	T.	T.	.04			T.			.05		.78	.62	.55	.26	.40	T.	.46		T.	.11	.14	T.				4.41
Edgefield ||||	Savannah				1.40	.80													1.45	.15	.32	2.62				.63							7.37
Gaston Shoals ||||	Broad				.12	.64			.11			T.	T.						T.	.99	.31	.48	.60	.01	.04	.60	T.		.28				4.18
Greenville ||||	Saluda			.09	.17	1.24			.03					.53					.06	1.24	.55	1.95	1.89	T.	.05		.25	.11	.03				8.19
Greenwood ||||	do				.13	.05		.24											.44	.52	.20		.58						.10				2.26
Heath Spring	Wateree			.80														3.00	.35	.90	.12	1.03			.06			.40					6.66
Kershaw	Lynches				1.10	.04		.19				.10			.05				1.56	.17	.74	.07	.59	.02									4.63
Landrum	Broad																																
Liberty	Savannah			.10	.40		T.	T.					T.	.02			T.	.40	.80	.20	.50	.65	T.		.25	.10	.02	.28			.40		5.12
Little Mountain	Saluda		.12	.60	.54		.52	.12	.82				T.	.28		.06		.32		.52	.13	.32	.53	.23				.13					5.24
Meriwether	Savannah				.50			.35		T.	T.			.05	.55					.50	.73	.50				.30	.10						3.58
Monetta	Edisto			.48	.59						.02		T.			T.		.74	.03	1.65	1.94	.32	.01			.05	T.	.15		T.			5.98
Mountain Rest	Savannah				.08		.07	.68			.38								.66	1.22	.17	1.79	.11			.55		.48					6.19
Newberry	Saluda				.37		1.08											1.10	.12	1.23	.10	.30	.15				.02	.35		.06			4.88
Pelzer ||||	do				.21	1.34													.18	1.44	.30	1.40	.40	T.	.12		.34	.08	.14				5.95
Saluda	do			.35	.45		.40											1.25	.10	.60	.85	.30	1.32			.59		.22					6.43
Santuck	Broad			.02	1.32											T.		1.67	.63	.65	.10	.06	.52		.06								5.03
Spartanburg ||||	do				.10	.27							T.					.08	.04	.88	.50	.45	.50		T.	T.			T.				2.82
Trenton	Edisto			T.	1.08					.10				T.				.66	T.	T.	.90	T.			.23								2.97
Walhalla	Savannah			.90	.16		.35	.02			.13				T.		.11	.28	2.08	.02	.38	1.15	.09		T.	.18	.12	.03					6.00
White Oak	Broad			.17	.20		.08			.26								1.40	.30	.81	.20	.42	.67									.51	5.02
Winthrop College	Catawba			.50	2.50													.95	.85	.40	.25	1.25	.35		.20								7.25

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR JULY.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	82.0	110	60	7.49	14				
1888	78.9	108	53	3.68	8				sw.
1889	79.5	102	51	7.13	13				sw.
1890	78.4	104	52	6.88	12				sw.
1891	77.9	93	56	5.95					sw.
1892	78.9	102	51	7.44					sw.
1893	82.0	104	60	3.87	9	13	14	4	sw.
1894	77.7	100	55	8.24	16	8	12	11	sw.
1895	79.5	102	54	4.17	8	10	15	6	sw.
1896	80.7	105	51	8.17	13	10	13	8	sw.
1897	80.2	107	54	5.01	11	13	12	6	sw.
1898	80.0	102	54	7.81	14	10	10	11	sw.
1899	80.0	105	47	4.03	9	12	11	8	sw.
1900	81.2	104	55	4.08	9	14	11	6	sw.
1901	81.4	102	62	4.52	10	12	12	7	sw.
1902	80.8	107	58	3.79	9	15	11	5	sw.
1903	80.4	103	45	3.59	8	18	9	4	sw.
1904	79.4	105	50	5.96	12	13	12	6	sw.
1905	80.4	101	60	6.16	12	13	10	8	sw.
1906	78.4	100	56	8.40	16	5	17	9	sw.
1907	81.4	106	56	5.06	11	13	13	5	sw.
1908	79.8	100	60	5.43	12	12	13	6	s.
1909	78.6	104	55	4.92	10	13	12	6	sw.
1910	79.4	102	58	5.83	13	9	15	7	sw.
1911	79.8	102	53	3.79	10	12	13	6	sw.
1912	79.6	102	58	5.22	11	14	10	7	sw.
1913	81.9	109	56	4.78	9	15	9	7	sw.
1914	80.0	107	53	5.16	9	14	13	4	sw.
1915	80.9	106	55	3.26	8	18	10	3	sw.
1916	77.8	99	60	14.69	17	5	12	14	sw.
1917	79.9	102	52	6.56	12	14	9	8	sw.
Period	79.9	110	45	5.84	11	12	12	7	sw.

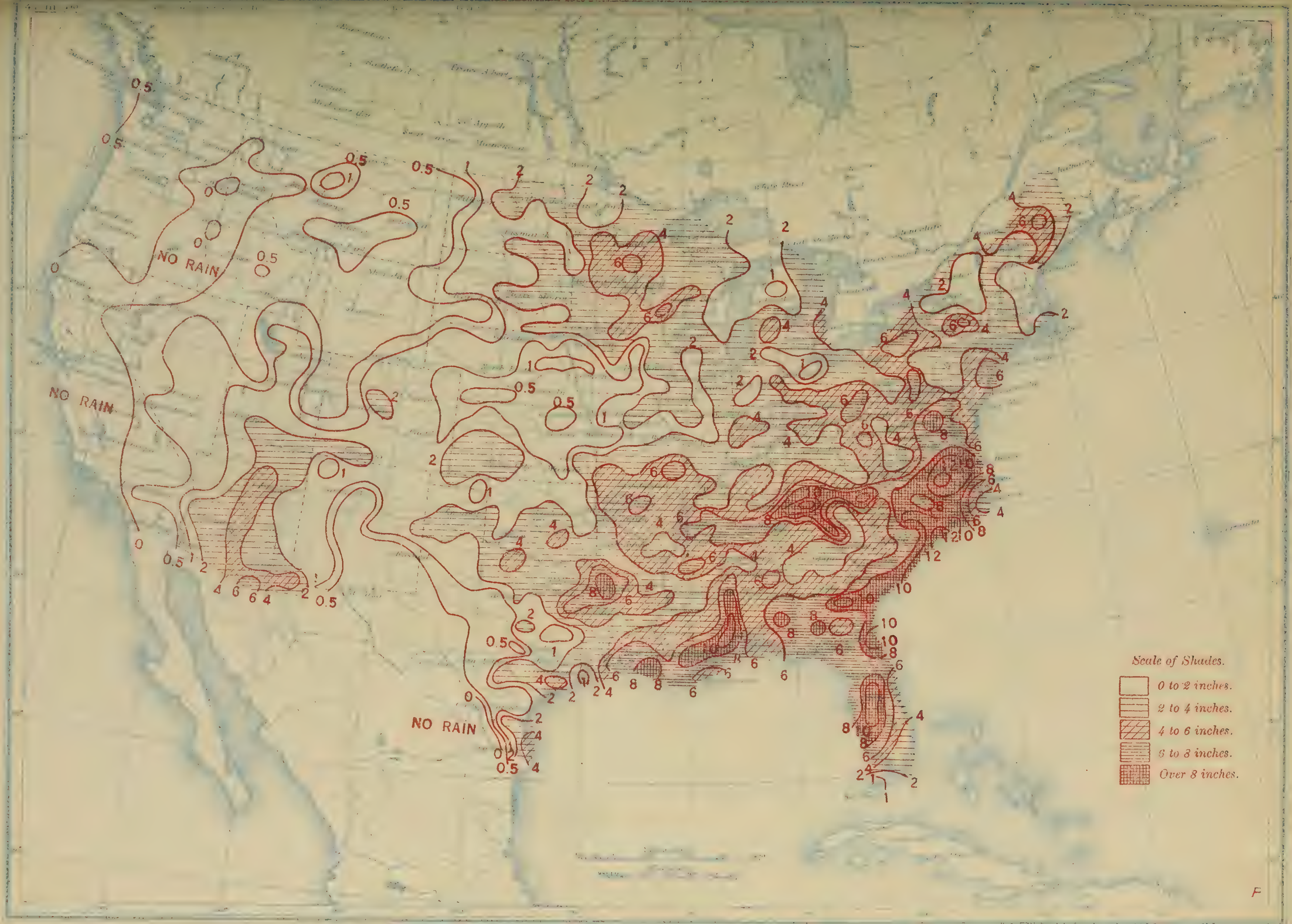
Daily Temperatures for July, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	92	83	91	88	85	87	90	96	96	95	92	96	88	94	95	94	92	86	83	82	86	90	91	92	92	95	94	95	97	97	97	91.3
	Minimum	72	66	70	69	70	69	71	71	73	70	70	72	70	71	72	73	72	69	68	78	71	71	71	73	72	71	73	72	73	75	74	71.4
Beaufort	Maximum	94	83	89	85	....	86	89	90	91	91	89	89	85	89	90	88	88	88	88	86	87	90	88	95	90	91	95	98	101	97	92	[a] 90.0
	Minimum	68	69	69	68	....	69	70	71	71	72	65	71	69	72	72	73	71	69	66	68	69	71	71	73	71	75	73	73	73	74	73	[a] 70.6
Blackville §	Maximum	96	84	92	89	86	92	92	95	98	91	92	93	89	92	94	95	93	89	89	85	85	87	92	92	96	97	98	99	98	99	99	92.5
	Minimum	69	65	69	67	67	67	68	69	69	71	69	68	66	69	69	70	70	67	66	67	69	70	69	70	69	70	72	70	73	73	70	69.0
Bowman	Maximum	95	89	88	85	87	90	88	93	93	95	92	90	92	91	93	97	90	90	88	87	88	90	92	95	94	96	97	97	100	101	101	92.4
	Minimum	60	65	67	65	65	66	66	66	67	68	68	69	70	70	70	72	70	68	65	65	67	67	70	70	70	69	72	74	74	75	74	68.5
Centenary	Maximum	89	82	86	84	84	83	82	87	90	83	86	92	87	89	91	92	89	83	81	82	88	87	87	90	91	91	93	93	92	95	96	87.9
	Minimum	67	71	71	69	72	72	70	70	69	70	67	71	73	72	74	74	71	68	69	70	71	72	71	69	75	72	73	70	73	76	74	71.2
Charleston	Maximum	83	81	86	84	85	83	87	87	91	88	92	92	86	90	89	87	85	85	83	82	86	88	88	89	88	89	91	95	87	91	90	87.4
	Minimum	70	73	71	72	73	73	74	66	71	71	76	76	73	78	78	77	74	71	70	71	76	72	76	78	77	77	77	75	80	79	78	74.3
Cheraw §§	Maximum	88	80	86	78	85	87	85	87	88	89	85	94	88	90	94	94	94	86	77	84	85	87	89	90	90	90	93	92	92	96	96	88.4
	Minimum	65	72	69	69	68	70	72	72	70	71	66	66	70	72	73	75	70	68	68	68	72	71	72	72	70	72	74	72	71	74	73	70.5
Conway §§	Maximum	85	81	86	83	81	83	84	89	92	87	88	94	88	93	94	94	91	87	81	85	85	88	88	90	90	92	95	93	89	96	97	88.7
	Minimum	65	72	71	68	70	72	70	70	68	70	68	71	73	74	75	74	73	70	69	69	72	72	73	75	73	73	75	72	73	75	76	71.6
Darlington §§	Maximum	87	82	87	84	87	84	87	87	91	89	90	92	88	93	95	95	95	88	84	87	90	87	88	91	93	94	96	95	95	96	97	90.1
	Minimum	70	65	70	67	68	70	72	70	70	69	65	67	70	72	74	74	70	68	68	68	72	72	72	73	71	75	72	72	72	75	74	70.5
Ferguson §§	Maximum	90	90	86	85	86	88	88	95	91	87	87	....	....	....	....	92	88	85	85	84	82	89	83	90	92	94	96	98	....	....	....	[c] 88.8
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Florence 1 §§	Maximum	91	78	90	81	85	85	87	86	93	93	88	93	86	95	94	94	91	90	84	85	80	89	92	91	93	94	94	96	96	98	100	90.1
	Minimum	67	66	70	68	69	70	72	70	70	70	68	69	68	70	74	73	71	68	68	69	70	71	71	73	72	72	73	72	73	75	76	70.6
Floyd Dale	Maximum	95	93	87	87	90	89	90	90	90	92	90	91	92	92	95	97	96	95	95	93	89	99	89	90	96	98	98	98	99	99	99	93.3
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Georgetown	Maximum	88	88	90	87	83	86	86	90	92	88	90	92	92	92	94	92	90	88	85	86	97	88	90	90	90	91	94	95	90	95	96	90.2
	Minimum	69	70	....	67	73	69	70	67	69	69	71	74	74	74	75	75	76	72	69	70	70	73	74	74	75	72	75	73	75	75	76	[a] 72.2
Kingstree §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	65	70	70	67	70	72	70	69	69	69	69	71	71	70	74	73	70	68	67	68	71	71	72	72	72	72	72	71	74	75	74	70.6
Oaks	Maximum	85	85	87	88	88	77	82	90	91	86	86	90	87	93	93	93	87	85	83	86	86	87	90	87	91	92	93	93	90	94	95	88.4
	Minimum	65	69	77	76	67	70	70	69	69	66	68	70	72	76	73	72	70	68	69	70	70	70	70	74	70	70	74	71	74	74	74	70.9
Orangeburg	Maximum	96	82	88	88	88	88	88	86	94	90	91	94	88	93	96	96	94	88	86	84	92	92	94	94	94	95	96	94	96	98	98	91.6
	Minimum	62	78	72	66	66	72	68	72	68	72	69	69	69	72	73	70	74	70	68	70	72	72	72	72	72	72	72	72	72	74	72	70.8
St. George §§	Maximum	94	84	89	86	84	89	86	93	95	89	91	93	90	92	94	93	91	89	84	87	90	91	93	94	93	95	96	96	98	99	99	91.5
	Minimum	62	69	68	65	67	68	67	67	68	68	68	70	68	68	69	69	69	66	65	66	68	69	70	70	69	69	70	69	72	74	73	68.4
St. Matthews §§	Maximum	92	80	87	85	85	86	90	92	92	91	90	93	89	91	93	92	91	87	85	86	87	89	90	93	94	94	96	95	95	97	97	90.5
	Minimum	64	71	70	67	67	70	70	70	71	71	68	67	70	71	73	73	71	63	67	68	70	71	71	73	71	72	73	71	74	75	73	70.2
Society Hill §§	Maximum	88	85	87	81	81	85	87	83	90	89	88	93	88	91	94	94	93	88	83	83	88	89	88	92	92	93	96	92	94	97	98	89.5
	Minimum	65	69	71	67	69	70	72	70	71	70	66	66	70	71	73	75	71	68	68	69	72	73	71	77	71	72	72	71	72	75	73	70.6
Summerville	Maximum	90	82	87	85	85	88	89	91	92	90	91	92	86	91	92	90	88	87	86	85	89	90	90	91	91	91	93	94	93	95	94	89.6
	Minimum	66	70	70	68	71	70	71	69	67	70	72	71	73	72	73	72	71	68	68	70	71	71	72	72	72	72	74	72	78	74	75	71.1
Walterboro	Maximum	92	80	91	85	85	81	90	95	95	92	92	94	88	94	94	92	92	....	92	88	90	94	95	95	94	96	100	99	98	98	97	[a] 92.3
	Minimum	64	70	67	68	69	61	70	71	69	71	72	69	72	69	70	70	70	....	67	70	70	71	72	72	70	72	71	71	75	76	72	[a] 70.0
Yemassee §§	Maximum	91	80	90	87	87	88	90	93	93	92	91	90	85	94	94	92	90	89	86	86	89	91	92	94	92	93	94	95	95	95	95	90.7
	Minimum	63	66	67	66	67	67	68	67	69	69	67	69	70	67	68	68	69	66	65	66	67	67	69	70	68	68	69	69	71	71	70	67.8
Western Portion.																																	
Aiken	Maximum	94	93	95	92	88	89	89	95	96	95	....	....	....	....	....	95	96	89	83	82	86	89	88	90	92	93	95	93	94	95	96	[e] 91.6
	Minimum	60	68	58	61	62	68	62	64	64	65	....	....	....	....	....	....	64	58	58	69	70	70	71	71	71	70	72	70	73	74	74	[f] 66.7
Anderson	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	60	65	67	67	67	66	66	67	68	66	....	....	....	69	71	70	69	64	66	67	68	67	68	68	69	68	69	68	73	73	73	[c] 67.8
Batesburg §§	Maximum	89	84	90	84	84	84	84	91	93	90	90	90	91	91	92	92	90	82	89	89	83	88	88	88	92	90	92	92	92	93	94	89.1
	Minimum	66	70	68	67	68	69	69	70	72	72	66	68	69	71	72	69	72	66	61	67	70	71	70	70	71	70	69	70	72	72	72	69.3
Calhoun Falls	Maximum	98	100	98	80	92	90	94	98	102	100	97	90	95	98	99	95	93	78	84	87	90	91	98	92	96	95	96	97	101	101	102	94.5
	Minimum	65	66	68	68	64	67	68	68	68	67	62	65	67	70	62	69	72	68	67	68	70	68	69	68	70	69	69	69	72	74	74	68.1
Camden §§	Maximum	92	86	92	86	87	95	92	93	94	92	90	96	92	93	96	98	90	88	81	86	88	90	88	91	....	94	91	94	95	97	99	[a] 91.5
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clemson College	Maximum	88	86	87	86	83	84	83	88	87	89	85	86	85	88	89	87	75	77	79	80	78	80	84	86	88	84	87	85	90	92	91	85.1
	Minimum	68	66	55	71	64	68	69	68	70	66	64	73	69	73	73	66	67	70	71	69	71	72	70	69	70	70	71	68	73	85	78	69.9
Columbia	Maximum	90	81	88	81	85	82	91	91	93	93	92	93	90	91	93	94	91	85	81	82	85	89	87	91	89	93	92	93	94	95	96	89.4
	Minimum	70	72	70	69	68	71	71	73	74	73	71	70	72	72	76	73	66	68	69	70	71	72	72	72	73	72	72	72	75	76	75	71.6
Greenville §§	Maximum	96	98	92	80	87	91	91	96	96	96	93	95	92	93	93	96	85	76	80	79	81	87	91	89	92	94	94	95	97	100	100	91.1
	Minimum	62	64	69	66	61	65	67	69	70	65	60	67	66	69	71	64	70	67	65	66	68	68	67	67	69	68	67	65	71	62	73	66.7
Greenwood §§	Maximum	91	91	93	76	86	85	86	93	97	93	92	87	91	94	92	94	92	78	75	80	83	86	87	86	91	92	94	91	93	95	96	89.0
	Minimum	66	69	70	68	64	66	68	69	72	71	66	67	70	70	70	70	73	60	66	67	69	69	69	69	72	71	71	70	72	75	75	69.2
Heath Spring	Maximum	81	81	85	84	81	81	84	88	90	86	91	91	91	90	92	93	89	85	77	86	82	84	86	87	90	88	92	93	94	94	96	87.5
	Minimum	64	64	67	66	63	63	66	68	68	66	68	65	65	68	68	70	65	65	65	65	65	68	70	70	70	71	69	70	69	70	73	67.2
Kershaw §§	Maximum	94	89	93	78	85	89	93	92	93	94	91	97	94	94	96	97	95	86	81	85	85	90	91	92	95	95	95	94	98	98	99	91.9
	Minimum	65	68	68	65	65	68	70	69	69	69	66	65	68	72	72	71	71	65	67	66	70	70	71	71	71	72	72	70	70	74	73	69.1
Landrum	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Liberty	Maximum	92	96	91	81	87	89	89	94	94	94	91	90	94	93	93	93	82	75	81	78	83	86	89	86	92	91	90	91	94	97	97	89.5
	Minimum	66	72	68	69	63	70	69	70	69	66	63	70	68	73	73	72	71	65	68	68	68	68	70	69	70	77	70	68	73	74	73	69.5
Little Mountain	Maximum	92	93	92	82	85	89	97	90	92	93	93	91	89	93	93	94	95	85	83	81	85	85	87	88	91	91	93	93	94	97	98	90.5
	Minimum	68	70	67	67	66	69	70	69	72	71	69	66	70	72	72	71	67	67	67	68	67	69	69	71	72	71	73	73	75	75	75	69.9
Meriwether	Maximum	....	....	....	86	87	89	93	97	98	97	96	95	....	....	....	....	100	83	....	....	....	91	....	94	97	97	....	98	99	100	100	[l] 94.6
	Minimum	....	....	....	68	65	68	69	68	72	69	68	65	....	....	....	....	68	66	66	....	....	....	....	68	69	69	....	....	....	....	70	[o] 68.0
Monetta	Maximum	92	87	94	84	84	86	90	93	92	91	92	91	90	92	92	94	91	83	85	80	85	88	89	91	94	93	94	94	97	97	98	90.4
	Minimum	67	70	70	67	67	69	70	71	72	71	68	67	70	71	73	70	68	67	67	68	70	72	71	71	72	71	71	71	75	75	74	70.2
Mountain Rest	Maximum	69	92	88	78	83	83	82	90	90	88	88	86	88	88	89	88	74	74	78	72	74	81	87	82	88	87	88	87	89	91	93	85.0
	Minimum	59	56	63	65	56	62	68	64	59	52	53	61	58	59	61	60	62	64	64	65	66	65	61	72	62	62	62	61	66	67	67	62.0
Newberry	Maximum	94	93	96	79	88	88	90	97	98	97	94	94	94	94	98	98	91	83	79	81	84	90	91	92	97	95	95	96	96	100	101	92.4
	Minimum	66	70	69	66	65	68	69	70	72	72	65	65	71	72	72	73	68	68	67	69	68	70	70	70	72	71	72	70	34	74	74	69.7
Saluda	Maximum	94	92	98	82	87	87	91	98	96	96	95	92	93	93	99	97	90	83	81	80	85	89	90	90	93	94	95	96	97	98	....	91.6
	Minimum	62	69	68	66	64	67	68	63	70	71	62	61	69	71	71	69	66	67	67	68	69	69	69	69	70	69	70	71	73	78	....	68.1
Santuck	Maximum	95	97	95	77	85	85	91	95	97	95	92	93	94	94	95	99	88	81	77	83	84	87	79	90	94	94	94	94	96	98	99	91.2
	Minimum	63	67	68	67	64	68	68	70	69	68	66	66	70	71	69	72	66	66	66	68	69	68	70	68	70	70	70	70	73	73	73	68.6
Spartanburg §§	Maximum	95	98	92	78	88	71	90	96	97	95	91	94	95	95	96	97	90	77	78	81	80	88	90	89	97	95	92	94	97	99	98	90.7
	Minimum	62	65	68	67	61	63	67	69	69	71	63	68	64	68	70	70	71	67	65	66	67	68	68	67	70	70	70	68	71	73	74	67.7
Trenton	Maximum	93	91	94	83	84	....	....	92	93	92	90	89	89	....	....	95	99	77	76	79	85	....	....	....	....	....	....	....	100	96	97	[k] 89.7
	Minimum	65	69	68	66	68	....	....	59	72	70	67	72	69	....	....	70	67	67	66	68	69	....	....	....	....	....	....	....	....	75	71	[l] 68.2
White Oak	Maximum	91	90	92	76	85	86	90	93	91	93	91	93	92	91	98	97	92	82	78	81	84	86	88	[illegible]	93	[illegible]	94	94	94	96	95	90.0
	Minimum	65	69	68	65	65	68	69	69	71	69	68	65	70	71	73	73	66	67	67	68	70	70	72	71	72	71	72	70	73	74	74	69.5
Winthrop College	Maximum	86	86	86	75	83	83	86	90	96	89	89	86	89	90	89	91	91	69	71	78	77	82	85	87	[illegible]	[illegible]	86	88	88	92	92	87.6
	Minimum	65	67	66	67	64	68	69	71	69	67	66	68	70	73	71	72	65	65	67	68	68	69	80	68	72	72	71	70	72	71	75	69.2

Reference letters, (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, July, 1917.



51.05
N SC

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

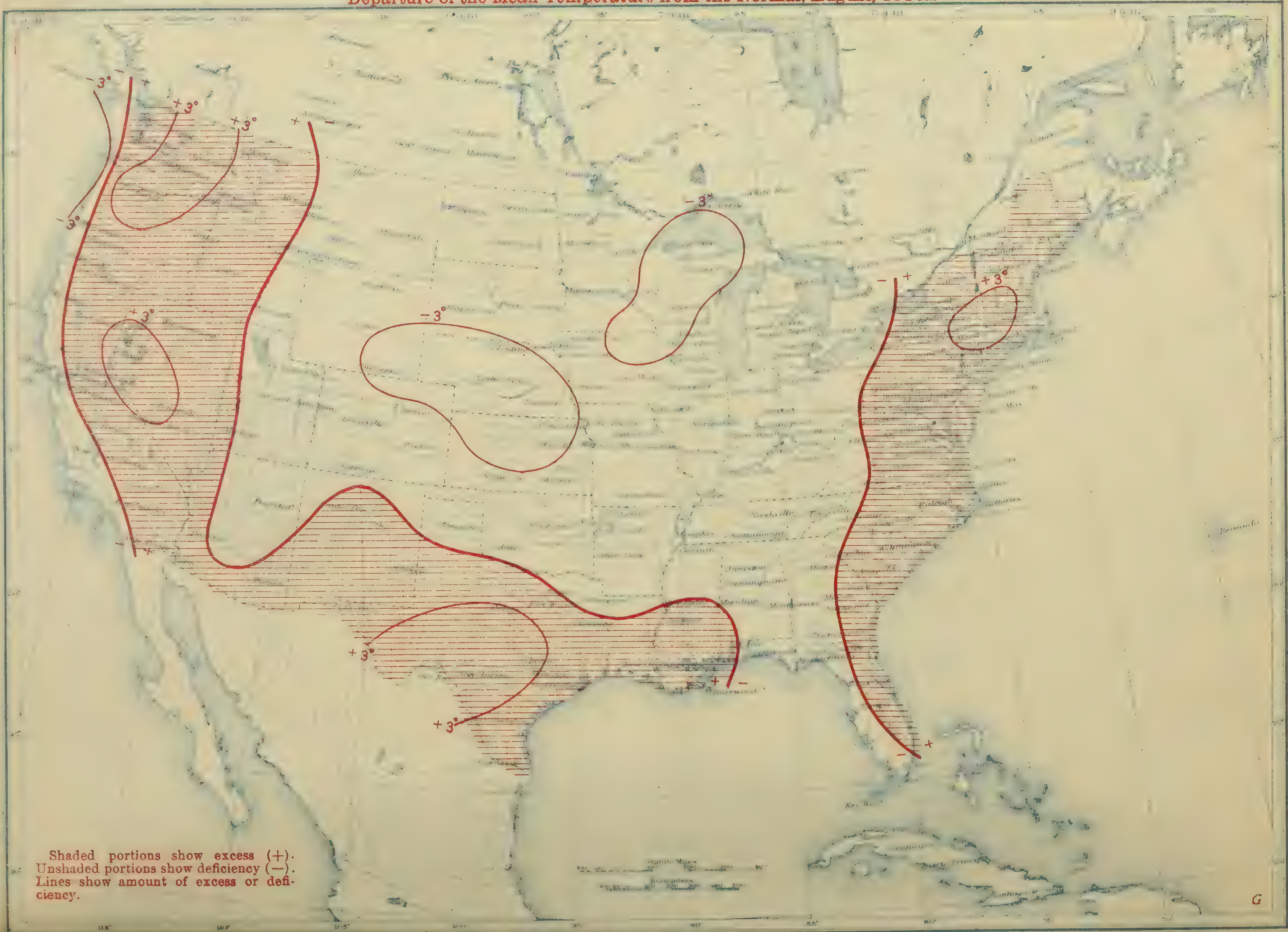
SOUTH CAROLINA SECTION

AUGUST, 1917

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
October 5, 1917

Departure of the Mean Temperature from the Normal, August, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (—).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

Vol. XX. Columbia, S. C., August, 1917. No. 8.

GENERAL SUMMARY.

Temperatures ranged somewhat below the seasonal average during the month, and the rainfall was greatly deficient, except in a few small favored localities. The precipitation was fairly copious during the first decade, after which the showers were intermittent and generally very light in quantity.

Crops of all kinds continued in good to excellent condition up to the middle of the month, when bountiful yields were indicated, with the early corn crop practically made, and the canning and preserving of fruits and vegetables proceeded uninterruptedly. An excellent tobacco season closed about the 20th. Lack of precipitation when most needed during the latter half of the month resulted in general deterioration of cotton, late corn, truck, gardens, forage, and pastures, but much corn fodder and hay were secured. Toward the close of the month crops were in parched condition, especially in the middle-eastern counties, where precipitation had been unusually scant. The situation, however, was materially improved in extensive areas by fairly well distributed rains on the 31st.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.02 inches. The highest pressure in the region covered by reports was 30.32 inches at Asheville, N. C., on the 27th, and in the Section proper, 30.28 inches at Columbia on the same date; lowest pressure, 29.65 inches at Charlotte, N.C., on the 23d, and in the Section proper, 29.68 inches at Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 42 stations, was 78.5°, or 0.3° below the established normal. The highest temperature of the month was 102° at Calhoun Falls, Abbeville County, on the 1st. The warmest period of the month was between the 1st and 3d. The lowest temperature was 49° at Mountain Rest, Oconee County, on the 25th. The coolest period of the month was generally between the 25th and 28th.

HUMIDITY.

The mean relative humidity, determined from reports of 7 regular Weather Bureau station in and surrounding the Section, was as follows: 8 a.m., 85%; 8 p.m., 73%. The highest percentages occurred over the extreme southern coast districts, and the lowest, in a small area of the north-central counties.

PRECIPITATION.

The average for the Section, 57 stations reporting, was 3.23 inches, or 2.93 inches below the established normal. Precipitation was fairly well distributed as to time. Excepting small isolated sections in the extreme eastern and extreme southern counties, where the total monthly amounts ranged from 7 to over 8 inches, the rainfall was below normal throughout the Section. The deficiencies were most marked in an extensive fan-like area extending from Dorchester County to southern Fairfield, Kershaw, Chesterfield, and Marlboro Counties, and in a small area embracing portions of Cherokee, Union, York, and Chester Counties, where the total amounts were less than 2 inches, and in a considerable area embracing portions of Clarendon, Sumter, Lee, and Darlington Counties, the amounts ranged generally below one inch for the month. The rainfall was mostly in the form of intermittent showers of light quantity, and copious rains were comparatively rare after the 8th and 9th. The greatest local monthly amount was 8.62 inches at Conway, Horry County; least local monthly amount, 0.70 inch at Darlington, Darlington County. The greatest 24-hour rainfall at any station was 4.30 inches at Conway, Horry County, on the 3d. The average number of rainy days was 20% below the normal. Hail was recorded at Liberty, Pickens County, on the 2d, and dense fog occurred in various portions of the Section on the 1st, 2d, 3d, 9th, 11th, 15th, 19th, 24th, and 31st.

WIND.

The prevailing wind was from the southwest. The average hourly velocity, determined from 7 anemometer records, was 6.4 miles. The highest average velocity in the region covered by reports was 8.4 miles per hour at Charleston; lowest average, 4.6 miles per hour at Augusta, Ga., and in the Section proper, 5.3 miles per hour at Columbia. The highest velocity for any 5-minute period was 35 miles per hour from the northwest at Charlotte, N. C., on the 2d, and in the Section proper, 28 miles per hour from the east at Charleston on the 12th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 261.4 hours, or 63% of the possible amount. The average number of clear days was 15; partly cloudy, 10, and cloudy, 6, as against normals of 13, 11, and 7 days, respectively.

RIVER CONDITIONS.

Generally low water prevailed in all the rivers of the Section throughout the month.

MISCELLANEOUS DATA FOR AUGUST, 1917.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C.	30.05	70.3	88	49	4.58	2.04	6.1	se.	88	72	62
Augusta, Ga.	30.00	80.2	97	64	1.86	1.08	4.6	se.	84	73	59
Charleston, S. C.	30.01	80.2	94	70	5.06	2.68	8.4	ne.	81	78	76
Charlotte, N. C.	30.02	76.8	95	61	4.84	2.37	7.8	ne.	82	64	65
Columbia, S. C.	30.02	79.0	96	65	1.52	1.02	5.3	ne.	86	63	58
Savannah, Ga.	30.01	80.2	93	70	10.22	4.14	6.8	w.	86	81	55
Wilmington, N. C.	30.02	78.4	92	63	2.26	1.18	5.9	ne.	85	80	67
Means and extremes	30.02	77.9	97	49	4.33	4.14	6.4	ne.	85	73	63

Climatological Data for August, 1917.

Stations	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	28	79.9	−0.5	98	2	64	26	25	4.22	−1.54	0.98	0	13	11	19	1	s.-w.	R. B. Vance.
Beaufort	Beaufort	21	30	[b]79.2	−1.6	[b]95	26	[b]62	26	[b]33	6.21	−0.95	1.38	0	....	14	11	6	se.	Miss Lillian H. Rice.
Blackville	Barnwell	296	28	80.8	+0.2	99	† 1	61	28	34	2.30	−3.47	0.78	0	7	20	6	5	....	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	16	79.0	−0.4	100	1	57	†27	36	3.00	−2.92	1.44	0	9	21	5	5	w.	B. O. Evans.
Centenary	Marion	43	2	78.2	....	96	2	62	†13	32	3.13	....	1.03	0	11	8	16	7	sw.	D. L. Carmichael.
Charleston	Charleston	48	46	80.2	−0.1	94	10	70	25	19	5.06	−1.91	2.68	0	11	11	11	9	ne.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	27	78.2	−0.4	96	† 1	62	†26	30	2.38	−4.01	1.34	0	7	....	....	....	....	J. H. Powe.
Conway	Horry	25	31	79.0	−0.3	95	† 1	63	26	27	8.62	+1.56	4.30	0	8	10	0	21	w.	Paul Quattlebaum.
Darlington ††	Darlington	175	22	79.4	+0.6	98	1	58	28	34	0.70	−4.25	0.25	0	5	10	6	15	....	D. C. McCall.
Edisto ‡‡	Bamberg	143	29	....	....	....	....	....	....	....	3.42	−2.92	0.68	0	9	....	....	....	....	Nathan Jenkins.
Effingham	Florence	106	24	....	....	....	....	....	....	....	2.36	−4.05	1.33	0	5	....	....	....	....	H. B. McCall.
Ferguson	Orangeburg	63	31	....	....	....	....	....	....	....	2.31	−5.02	0.86	0	5	....	....	....	....	Joseph P. Simons.
Florence 1	Florence	136	28	78.4	−1.9	99	2	62	28	29	6.56	+1.11	3.10	0	6	22	3	6	ne.	H. K. Gilbert.
Florence 2	do	136	2	....	....	....	....	....	....	....	1.44	−4.01	0.45	0	6	14	12	5	ne.	Pee Dee Experiment Sta.
Floyd Dale	Dillon	168	....	....	....	....	....	....	....	....	2.70	−2.31	0.71	0	7	....	....	....	....	H. B, Floyd.
Georgetown	Georgetown	12	22	80.0	−0.1	95	† 2	63	26	29	3.00	−4.04	1.35	0	5	20	8	3	ne.	A. P. Hazard.
Kingstree	Williamsburg	54	28	[c]79.6	−0.2	....	....	62	28	29	2.51	−4.33	1.07	0	5	17	8	6	n.	A. O. Matthews.
Oaks	Georgetown	....	2	[c]78.9	....	[c]96	24	[c]61	26	[c]31	5.44	....	2.70	0	9	8	18	5	s.	O. M. Mitchell.
Orangeburg	Orangeburg	264	1	79.6	....	97	† 1	66	†13	27	3.17	....	1.10	0	5	8	12	11	w.	U. S. Fisheries Station.
Pinopolis **	Berkeley	54	67	75.2	−2.7	89	† 1	68	† 7	....	2.82	−4.27	0.85	0	8	12	15	4	....	Miss E. P. Ravenel.
Rimini	Clarendon	97	3	....	....	....	....	....	....	....	1.01	....	0.64	0	5	....	....	....	....	William B. Wolfe.
St. George	Dorchester	109	28	79.2	−0.7	99	23	60	26	34	2.00	−4.48	0.79	0	9	17	8	6	sw.	R. S. Weeks.
St. Matthews	Calhoun	62	21	79.6	+0.3	97	2	60	11	30	1.07	−4.66	0.38	0	6	14	16	1	sw.	J. S. Wannamaker.
Society Hill	Darlington	192	25	[b]78.8	+0.4	[b]98	23	[b]59	28	[f]33	3.52	−2.44	2.52	0	6	13	13	5	e.	A. H. Rogers.
Summerville	Dorchester	75	19	79.2	−0.1	95	2	62	26	29	1.97	−6.05	0.46	0	13	0	29	2	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	14	[b]81.6	+1.2	[a]97	† 1	[b]59	12	[b]35	4.17	−2.84	2.05	0	6	18	5	8	....	J. N. Frank.
Whitehall (near)	do	4	....	....	....	....	....	....	....	....	4.32	....	1.29	0	7	15	5	10	s.	Special Rice Exp. Station.
Yemassee	Hampton	24	21	78.0	−2.2	95	† 1	55	26	37	3.55	−3.14	1.19	0	11	20	5	6	sw.	J. G. Hutson.
Division means and	extremes	....	....	79.2	−0.3	100	† 1	55	26	37	3.31	−3.13	4.30	0	7	13	10	8	sw.	
Western Portion.																				
Aiken	Aiken	527	56	79.2	−1.1	97	2	62	25	30	3.59	−2.15	0.63	0	11	20	5	6	ne.	Frank B. McCoy.
Anderson	Anderson	764	21	79.7	+1.1	101	1	58	26	40	6.24	+0.25	2.59	0	11	19	0	12	w.	H. H. Russell.
Batesburg	Lexington	656	28	77.5	−1.2	94	1	61	†25	30	2.10	−3.92	0.97	0	3	22	5	4	se.	E. J. Hite.
Blairs	Fairfield	293	14	....	....	....	....	....	....	....	1.78	−2.85	0.64	0	7	....	....	....	....	J. N. Owens.
Calhoun Falls	Abbeville	508	24	79.1	....	102	1	58	†25	36	5.87	+1.01	2.22	0	11	16	7	8	sw.	L. M. Parker.
Camden	Kershaw	222	57	....	....	[b]99	† 1	....	....	....	1.23	−4.15	1.08	0	4	20	4	7	ne.	W. C. Brown.
Catawba	York	562	13	....	....	....	....	....	....	....	3.04	−2.33	1.74	0	5	....	....	....	....	James C. Faris.
Chappells	Newberry	402	13	....	....	....	....	....	....	....	2.28	−3.22	1.26	0	7	....	....	....	....	J. J. Murran.
Clemson College	Oconee	850	25	[c]75.7	−2.0	[c]92	1	[c]56	26	[c]27	3.24	−2.23	1.80	0	5	21	7	3	w.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	30	79.0	−0.5	96	2	65	28	23	1.52	−5.26	1.02	0	7	12	9	10	ne.	U S. Weather Bureau.
Edgefield	Edgefield	....	3	....	....	....	....	....	....	....	3.79	....	1.40	0	5	....	....	....	....	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	4	....	....	....	....	....	....	....	2.02	−3.44	0.66	0	7	....	....	....	....	Harry A. Parshall.
Greenville	Greenville	989	24	77.0	+1.8	98	1	55	†25	38	5.95	−0.13	1.22	0	15	15	8	8	w.	J. H. Woodside.
Greenwood	Greenwood	671	28	77.1	−1.7	96	† 1	59	26	28	3.05	−2.41	1.25	0	9	20	0	11	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	16	76.6	−2.8	94	† 2	60	16	30	1.55	−4.80	0.55	0	5	4	25	2	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	1	78.8	....	100	1	58	28	35	1.32	....	0.55	0	7	25	1	5	e.	John W. Hamel.
Landrum	Spartanburg	1063	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	18	77.0	−1.1	95	1	55	26	35	3.15	−3.61	1.04	0	13	11	20	0	se.	John T. Boggs.
Little Mountain	Newberry	711	24	79.5	+0.1	98	1	61	26	29	2.48	−2.82	0.67	0	11	15	3	13	se.	J. M. Sease, M. D.
Meriwether	McCormick	450	14	[p]79.8	+1.0	[p]98	†23	[p]57	26	[p]39	1.39	−3 47	0.46	0	5	....	....	....	....	William S. Middleton.
Monetta	Saluda	400	10	79.2	+0.4	99	1	64	†25	28	2.48	−2.53	1.03	0	8	12	16	3	ne.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	2	71.1	....	92	1	49	25	36	6.08	....	2.40	0	9	....	....	....	....	James L. Brown.
Newberry	Newberry	502	14	79.4	0.0	100	† 1	60	†25	36	2.45	−2.99	0.83	0	8	5	20	6	se.	Warren G. Peterson.
Pelzer	Anderson	850	18	....	....	....	....	....	....	....	2.64	−1.85	1.48	0	7	....	....	....	....	Joshua Y. Jones.
Saluda	Saluda	536	16	78.8	−0.6	99	2	57	25	37	1.95	−3.92	0.80	0	7	21	7	3	s.	Mrs. F. V. J. Maxwell
Santuck	Union	512	24	78.8	+0.3	99	1	58	26	36	1.23	−4.59	0.60	0	8	18	11	2	se.	E. W. Jeter.
Spartanburg	Spartanburg	875	34	77.6	−0.3	97	† 1	57	26	35	2.51	−3.14	0.63	0	9	....	....	....	....	F. P. Robinson.
Trenton	Edgefield	620	28	78.4	−1.2	100	2	64	†22	33	4.75	−1.73	1.50	0	7	14	12	5	se.	Mrs. S. E. Long.
Walhalla	Oconee	1061	14	....	....	....	....	....	....	....	6.51	+0.49	1.62	0	12	15	11	5	sw.	H. W. Brandt.
White Oak	Fairfield	548	1	78.5	+0.3	97	† 1	61	26	30	5.77	+0.20	1.55	0	11	20	8	3	e.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	[a]75.8	−2.8	[a]92	1	60	26	[a]25	2.32	−3.49	0.65	0	6	12	18	1	s.	W. P. Goodman.
Division means and	extremes	....	....	77.9	−0.6	102	1	49	25	40	3.16	−2.45	2.59	0	8	16	9	6	se.	
Section means and	extremes	....	....	78.5	−0.3	102	1	49	25	40	3.23	−2.93	4.30	0	8	15	10	6	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for August, 1917.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ‖‖	Savannah			.15	.42	.55	.05		.16	.15				.20			.90	T.	.27			.98			.25					T.	.03	.11	4.22
Beaufort	Coast		.43	*	*	*								*		3.73				T.	.01			.30					.25	1.38	T.	.11	6.21
Blackville ‖‖	Edisto									.78							.74	.10			.30	.10									.25	.03	2.30
Bowman	do		T.	T.	.28	1.44			.48	T.		T.				.28		T.	T.	T.	.08			.11						.08	.10	.15	3.00
Centenary	Pee Dee			.13	.47		T			T.	.13						T.	1.03	T.	.07	.05	.10		.60	.04					.10	T.	.41	3.13
Charleston ***	Coast			2.60	.23				.02	T.		T.				.25				.07	.57	.02							.11	.38	.46	.35	5.06
Cheraw ‖‖	Pee Dee			.20	.01					.33							1.34				.02					.16					T.	.32	2.38
Conway ‖‖	Waccamaw				4.30	.42						2.29							.11			.66	.15	T.						.31	T.	.38	8.62
Darlington ‖‖	Pee Dee				.14					.02							10				.25				.19								0.70
Edisto ‖‖	Edisto				.57	.37				.62							.10		.05		.33	.10			.60							.68	3.42
Effingham ‖‖	Lynches			T.	.90						T.					T.	.05		.05		.96	.37			.08								2.36
Ferguson ‖‖	Santee				.86				.02								.12						.85									.46	2.31
Florence 1 ‖‖	Pee Dee			.49													T		2.15	3.10	.71	.08										.03	6.56
Florence 2	do			.35						T.	T.					T.		.45		.11	.04									.09		.40	1.44
Floyd Dale	Little Pee Dee				.32						.25					.71		.71			.20			.10								.41	2.70
Georgetown	Coast			1.35	.15						T.							T.			.50	T.								.60	.40	T.	3.00
Kingstree ‖‖	Black				1.07							.06							T.			.33	.20									.85	2.51
Oaks	do			.69	.87						.16							.10			.22	.24		.22							.24	2.70	5.44
Orangeburg	Edisto				1.10				T.	.50									T.		.34	.80			.43							T.	3.17
Pinopolis	Cooper				.25				.25							.10	.24				.35	.10								.68		.85	2.82
Rimini ‖‖	Santee				.64				.02								.23								.05							.07	1.01
St. George ‖‖	Edisto				.11	.39				.07							.13					.14	.02		.27						.08	.79	2.00
St. Matthews ‖‖	Santee				.38				.05								.15		.16		.19	.15											1.07
Society Hill ‖‖	do			.22								.21					.08					.02			.47							2.52	3.52
Summerville	Ashley			.19	.04			T.	.40	.06		.30	.02			.15	.46	.02			.03	.13							T.	.08	T.	.09	1.97
Walterboro	Ashepoo								.09			.10					.04							.69							1.20	2.05	4.17
Whitehall (near)	Combahee		.98	.38	.10	.66	T.	T.	.16					T.		1.29					T.			T.					T.		T.	.75	4.32
Yemassee ‖‖	do			1.19	.73	.57	.07			.18				.10			.04				.01		.06		.30					T.		.30	3.55
Western Portion.																																	
Aiken	Edisto			.07	.42				.51	.46		.29				.63	.15	.04			.61			.38								.03	3.59
Anderson	Savannah		.36				.10	2.59	.77		.05	.05			.20	.48	.25				.03											1.36	6.24
Batesburg ‖‖	Edisto				T.			T.	.97								.91	.22			T.	T.											2.10
Blairs ‖‖	Broad	.02			.33				.20	.31											.62	.02										.28	1.78
Calhoun Falls ‖‖	Savannah		1.10	1.12				.03	1.63	.13						.18	.04	T.			.92	.26									.22	.24	5.87
Camden ‖‖	Wateree			.94	.14				.03	.07							.05																1.23
Catawba ‖‖	Catawba			.36					.33	1.41										.31												.63	3.04
Chappells ‖‖	Saluda				.15			.02	1.23	.03								.10				.50										.20	2.28
Clemson College	Savannah						T.	.44	1.80							.47	.10															.43	3.24
Columbia ***	Congaree			.30			T.	T.	1.02							.01	T.			T.	.11			.01						.02	T	.05	1.52
Edgefield ‖‖	Savannah			.94				.30													1.10	.05										1.40	3.79
Gaston Shoals ‖‖	Broad	T.	T.	.46				.02	.12		.29	T.				T.	T.	T.			.38	.09			T.							.66	2.02
Greenville ‖‖	Saluda	.90	1.00	.72				.38	1.03	.05	.08	.03				.01	.04	.28			.04	.15							.02			1.22	5.95
Greenwood ‖‖	do			.48	.03			.05	1.20		.09						.06				.86	.18										.10	3.05
Heath Spring	Wateree															.30									.05					.50	.55	.15	1.55
Kershaw	Lynches			.17	.02					.20						.33	.03								.02							.55	1.32
Landrum	Broad																																
Liberty	Savannah	T.	.60	T.			.02	1.04	.30		.02	0.			.04	.50	T.			T.	.02			.01						.02	.04	.52	3.15
Little Mountain	Saluda		.18	.40			T.		.31							.03				.20	.21			.10	.16					.03	.67	.19	2.48
Meriwether	Savannah						T.	.46	T.							.40	.22				.08		.23										1.34
Monetta	Edisto		.18					.02	.74			.01				1.03					.36			.12							T.		2.48
Mountain Rest	Savannah		.25	.62			.12	.75	1.05							.50					.30										.09	2.40	6.08
Newberry	Saluda			.01			T.	T.	.37							.32	.03				.10			.17						T.	.83	.62	2.45
Pelzer ‖‖	do		.18	T.				.22	1.48								.60	.04			.06											.06	2.64
Saluda	do		.04												.35				.10	.05			.46								.15	.88	1.95
Santuck	Broad		.23	.02					.15							.10				.02		T		.08							.03	.60	1.23
Spartanburg ‖‖	do	.08	T.	.05				.07	.23		.15					.35	.28					.70										.60	2.51
Trenton	Edisto		1.50					.05				1.00				.20				1.15	.45										.40		4.75
Walhalla	Savannah		.06	.27			.09	1.35	.47		.12				.01	1.31	.67				.39										.15	1.62	6.51
White Oak	Broad		.02	.05					1.05	.01						1.10					.12			.19	.17					1.04	1.55	.47	5.77
Winthrop College	Catawba	.32	.65	.20					.60																						.35	.20	2.32

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR AUGUST.

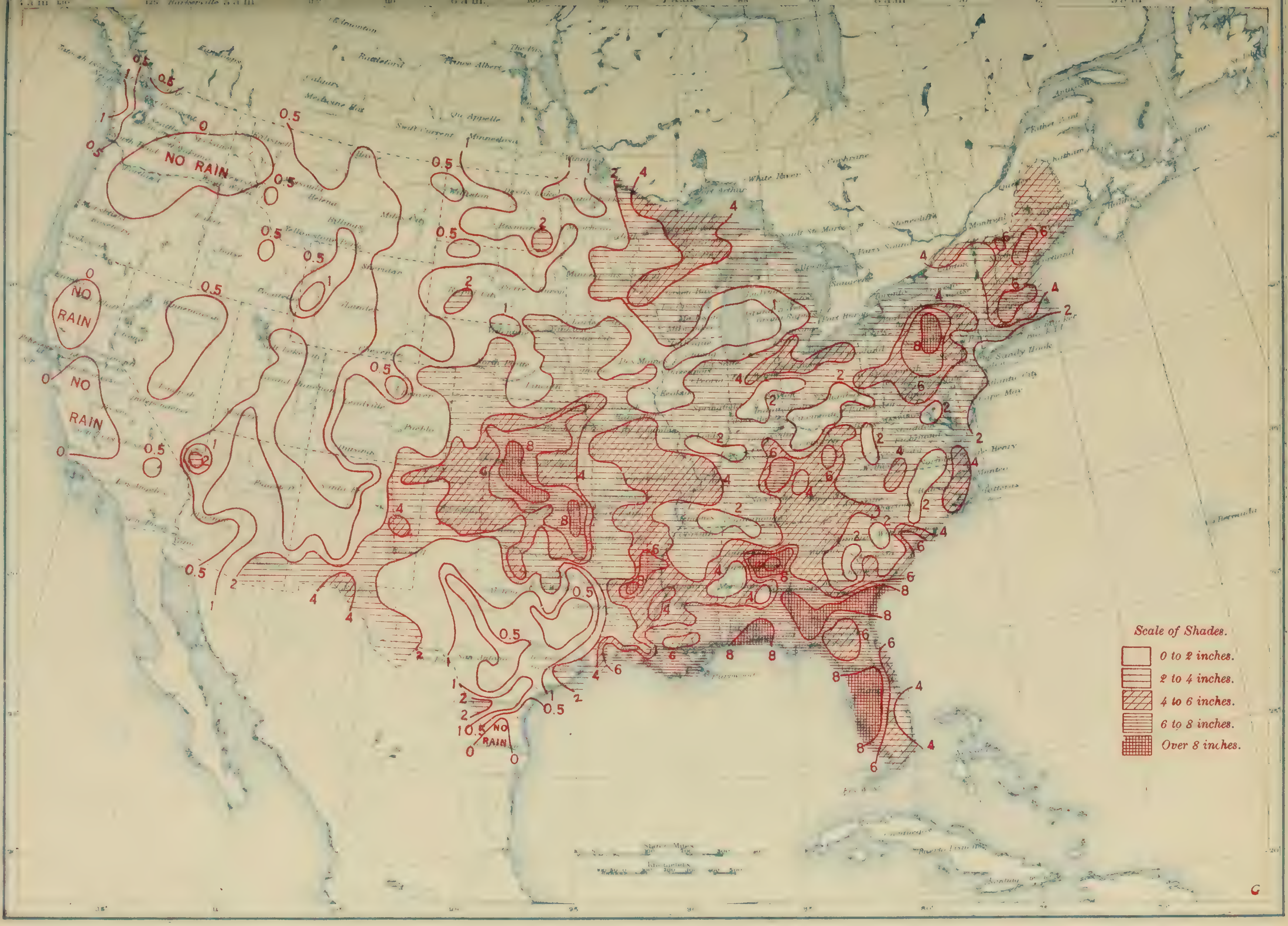
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	77.8	101	49	6.54	11				
1888	77.8	102	50	4.53	10				sw.
1889	74.4	97	45	6.37	12				se.
1890	77.1	96	51	4.25	9				s.
1891	78.9	98	55	8.79					sw.
1892	79.5	96	59	4.42					sw.
1893	77.5	97	57	12.45	13	10	9	12	ne.
1894	77.9	102	55	7.28	11	10	13	8	sw.
1895	79.4	101	55	7.95	13	9	14	8	sw.
1896	80.4	105	52	4.14	7	14	12	5	sw.
1897	78.0	102	57	5.16	9	13	9	9	sw.
1898	78.7	99	57	9.81	18	8	11	12	sw.
1899	81.2	103	59	6.26	10	12	11	8	sw.
1900	83.0	106	60	2.13	5	21	9	1	sw.
1901	78.6	97	57	9.01	15	7	14	10	s.
1902	78.6	104	55	5.07	12	14	10	7	sw.
1903	80.6	105	60	7.15	12	15	9	7	sw.
1904	77.6	102	54	8.47	14	12	9	10	sw.
1905	77.9	107	46	5.69	11	15	8	8	sw.
1906	80.6	100	60	6.62	15	7	17	7	sw.
1907	79.4	101	54	5.41	9	13	13	5	sw.
1908	78.6	100	49	9.11	10	12	11	8	sw.
1909	78.8	104	53	4.83	8	15	12	4	s.
1910	79.0	101	60	6.00	10	11	12	8	ne.
1911	80.0	104	51	6.05	12	10	15	6	ne.
1912	79.2	104	54	3.69	9	16	8	7	sw.
1913	78.9	109	56	3.76	9	15	9	7	sw.
1914	79.0	101	56	5.88	13	9	15	7	sw.
1915	78.8	102	52	7.62	14	11	11	9	sw.
1916	79.6	100	58	3.27	8	16	10	5	sw.
1917	78.5	102	49	3.23	8	15	10	6	sw.
Period	78.8	109	45	6.16	10	13	11	7	sw.

Daily Temperatures for August, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum...	96	98	90	86	80	81	91	91	90	90	88	89	89	91	92	91	88	92	89	81	88	92	95	93	89	89	85	89	87	92	89	89.5
	Minimum....	73	74	74	71	72	71	69	70	70	72	70	71	68	65	71	71	69	69	72	73	68	70	71	72	67	64	66	65	71	72	73	70.3
Beaufort	Maximum...	93	92	89	....	77	90	85	89	89	91	90	90	90	89	88	89	....	90	88	84	83	94	90	90	88	95	90	82	81	89	94	^{b}88.6
	Minimum....	71	73	...	69	69	69	70	69	71	74	68	70	68	70	70	71	....	68	72	68	67	72	73	71	68	62	68	68	65	74	73	^{b}69.7
Blackville §	Maximum...	99	99	91	89	89	86	93	93	94	94	93	93	93	95	94	94	93	94	97	83	92	97	97	97	94	94	94	95	90	93	94	93.3
	Minimum....	71	73	73	69	71	69	66	68	68	71	68	67	64	68	69	69	67	68	69	70	65	68	71	76	64	62	77	61	76	71	72	68.4
Bowman	Maximum...	100	98	90	88	86	85	92	93	90	92	87	89	90	89	88	91	90	95	93	84	88	94	96	94	91	90	90	90	90	92	91	90.8
	Minimum....	73	72	71	71	72	71	68	70	68	69	70	70	70	70	69	68	66	66	65	66	67	65	67	69	58	58	57	57	65	67	68	67.2
Centenary	Maximum...	95	96	85	85	82	84	88	89	92	85	86	86	88	90	94	87	90	92	88	79	85	88	94	95	89	86	87	91	85	92	89	88.4
	Minimum....	75	72	72	69	69	66	68	68	68	68	67	66	62	62	66	70	71	67	71	69	70	68	69	72	66	63	66	62	69	68	70	68.0
Charleston	Maximum...	89	90	87	83	82	82	84	87	91	94	84	83	84	84	86	91	85	86	85	79	84	90	96	93	89	86	85	85	81	87	85	86.2
	Minimum....	76	78	72	73	74	74	74	71	75	76	74	74	73	73	73	74	74	73	77	72	71	73	77	75	70	72	74	73	74	77	77	74.1
Cheraw §§	Maximum...	96	96	84	88	85	85	88	89	88	85	87	89	86	90	88	84	87	90	89	89	90	90	90	91	88	87	88	92	90	87	89	88.5
	Minimum...	73	72	71	67	68	64	68	71	70	70	66	64	64	64	69	70	73	68	70	72	68	70	65	69	64	62	62	62	70	70	70	68.0
Conway §§	Maximum...	95	95	86	85	83	85	86	90	92	88	87	85	86	89	89	89	88	90	89	79	83	89	92	93	89	90	89	87	87	89	87	88.1
	Minimum....	75	74	74	69	67	70	69	69	70	77	68	67	65	67	65	70	72	68	72	72	68	70	72	76	68	63	64	67	70	75	70	69.8
Darlington §§	Maximum...	98	97	83	89	85	86	89	92	93	91	90	92	92	93	92	88	91	94	93	81	89	94	95	93	93	91	92	94	91	91	96	91.2
	Minimum....	72	71	72	68	68	65	69	70	69	69	65	64	63	62	66	70	71	67	69	70	68	67	69	70	64	63	68	58	70	70	70	67.6
Ferguson §§	Maximum...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	90	82	89	84	91	93	87	84	84	85	88	88	....	....
	Minimum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Florence 1 §§	Maximum...	98	99	82	89	88	82	85	91	90	88	89	91	92	91	91	90	83	90	89	80	85	87	90	92	87	84	89	88	90	88	88	88.6
	Minimum....	73	74	70	68	68	67	70	71	69	70	66	65	65	64	68	70	71	70	70	69	68	68	70	71	65	65	64	62	64	70	71	68.3
Floyd Dale	Maximum...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Georgetown	Maximum...	94	95	88	87	83	88	89	91	91	92	88	86	88	91	90	92	92	92	92	84	82	92	93	95	92	96	90	90	85	88	90	89.7
	Minimum....	75	74	74	72	70	68	66	68	72	73	69	70	67	68	68	68	80	68	69	73	70	71	73	70	67	63	67	68	71	68	75	70.2
Kingstree §§	Maximum...	....	....	....	....	....	....	90	91	93	91	89	89	89	91	92	89	90	93	90	81	85	91	95	94	90	89	90	91	87	93	90	^{f}90.1
	Minimum....	74	72	73	69	71	69	69	70	69	70	68	68	65	66	67	71	69	67	72	72	70	69	72	73	65	64	66	62	69	69	71	69.1
Oaks	Maximum...	94	95	85	84	82	82	85	89	91	87	85	85	86	88	90	90	90	91	....	90	84	89	89	96	92	89	89	....	....	89	86	^{c}88.3
	Minimum....	73	71	73	70	70	67	68	78	68	70	70	68	67	68	77	72	70	67	....	68	71	70	68	70	72	61	65	....	....	66	67	^{c}69.5
Orangeburg	Maximum...	97	97	86	86	88	84	90	89	91	89	84	87	89	89	91	91	90	94	92	81	88	91	95	93	94	86	87	89	91	92	89	89.7
	Minimum....	70	72	72	70	72	68	68	70	68	72	67	67	66	66	68	70	67	68	70	70	66	68	70	70	68	72	70	73	72	74	74	69.6
St. George §§	Maximum...	98	98	89	89	83	84	93	94	90	94	93	89	92	94	94	91	90	92	94	81	87	95	99	94	93	94	92	90	87	92	89	91.4
	Minimum....	71	71	71	69	68	68	64	66	68	68	69	67	64	65	66	68	66	66	68	76	68	67	69	69	61	60	66	61	65	68	70	67.0
St. Matthews §§	Maximum...	95	97	85	86	79	83	92	90	92	90	89	89	89	90	93	95	92	95	94	81	89	94	96	96	92	94	94	92	91	95	95	91.1
	Minimum....	73	72	73	68	71	67	72	69	69	62	60	63	64	64	69	70	69	69	71	71	66	69	73	71	64	66	65	62	68	71	72	68.2
Society Hill §§	Maximum...	97	97	84	87	87	86	89	91	92	87	86	88	88	91	95	87	..	95	93	81	..	94	98	95	93	87	89	92	92	92	90	^{b}90.4
	Minimum....	72	71	71	68	67	65	69	70	70	69	65	63	63	62	68	70	72	....	67	70	62	....	67	70	64	61	63	59	69	69	71	^{b}67.1
Summerville	Maximum...	94	95	87	87	79	85	87	89	90	92	89	85	85	89	88	88	88	91	89	81	82	90	95	92	90	91	91	88	85	87	87	88.2
	Minimum....	73	73	74	73	72	69	66	70	71	72	70	70	67	68	69	71	70	70	72	73	70	71	73	72	64	62	69	66	70	71	73	70.1
Walterboro	Maximum...	97	97	90	89	86	82	89	91	95	94	94	93	..	95	93	94	90	94	96	87	89	97	97	97	93	81	95	93	89	92	90	^{a}92.0
	Minimum....	75	71	71	71	71	....	69	71	64	67	73	59	....	67	60	62	71	75	80	73	73	71	70	74	71	79	73	73	74	79	76	^{b}71.1
Yemassee §§	Maximum...	95	95	89	85	80	84	89	90	91	91	91	87	89	91	91	91	90	91	89	85	87	94	94	92	90	92	92	86	86	90	86	89.5
	Minimum....	71	71	67	69	69	68	66	69	67	70	64	67	66	69	66	70	68	65	66	71	64	67	68	68	60	55	65	61	62	67	69	66.6
Western Portion.																																	
Aiken	Maximum...	96	97	89	87	85	80	86	88	89	88	87	88	87	87	89	89	89	91	89	81	88	91	91	92	88	87	88	88	91	88	93	88.6
	Minimum....	73	74	73	68	71	70	70	69	69	70	69	68	68	71	71	69	78	72	69	69	66	70	72	70	62	66	68	65	71	73	74	69.9
Anderson	Maximum...	101	93	88	95	87	82	89	89	93	93	86	85	94	85	94	92	90	98	95	93	95	99	99	100	91	95	95	97	98	99	97	93.1
	Minimum....	72	72	71	66	68	65	65	67	66	65	63	64	66	68	68	66	65	64	66	67	65	68	70	68	60	58	64	66	64	69	70	66.3
Batesburg §§	Maximum...	94	93	85	88	78	79	77	88	88	86	85	87	87	87	90	88	87	91	89	82	87	91	90	91	87	88	87	89	90	92	93	87.5
	Minimum....	72	73	71	66	68	65	67	68	69	70	68	67	68	67	69	68	67	61	70	6[illegible]	64	65	70	70	61	61	67	66	67	69	73	67.5
Calhoun Falls	Maximum...	102	95	87	89	83	78	89	88	93	89	88	92	89	90	91	92	91	96	96	92	92	95	94	93	89	92	93	99	97	90	92	91.5
	Minimum....	73	71	72	68	70	68	68	68	68	66	66	65	67	69	69	67	67	65	67	67	68	65	69	68	58	58	59	63	64	67	69	66.7
Camden §§	Maximum...	99	99	85	87	87	87	88	90	90	88	89	89	89	92	92	92	90	91	92	86	92	95	95	97	92	91	92	....	94	....	95	^{b}91.1
	Minimum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	95	....
Clemson College	Maximum...	92	88	84	83	83	80	77	81	84	....	....	...	83	80	78	75	86	85	82	83	85	86	86	85	83	82	82	83	85	79	83	^{c}68.4
	Minimum....	85	77	76	69	69	66	68	69	68	....	....	....	68	70	71	69	66	65	66	70	66	72	71	69	59	56	62	64	64	69	72	^{c}83.0
Columbia	Maximum...	95	96	84	86	82	82	86	86	90	86	84	87	83	83	87	89	87	93	88	82	88	92	89	93	88	87	87	88	88	90	89	87.6
	Minimum....	75	75	73	68	72	70	71	70	69	73	70	68	67	68	72	72	69	70	73	70	68	70	74	72	66	65	69	65	72	73	74	70.4
Greenville §§	Maximum...	98	93	87	89	87	94	83	85	90	81	87	88	87	83	89	91	92	90	89	90	91	91	92	92	93	86	88	91	94	94	85	89.4
	Minimum....	71	70	70	64	65	61	64	66	61	63	63	64	64	65	68	67	65	63	64	66	64	64	66	65	55	55	63	63	62	67	68	64.5
Greenwood §§	Maximum...	96	96	84	86	81	76	83	83	87	83	84	85	84	84	90	89	90	90	90	83	87	89	91	90	87	85	87	87	90	87	86	86.8
	Minimum....	75	74	72	66	67	68	68	68	69	67	67	63	66	68	70	68	68	66	67	68	65	66	69	70	62	59	65	63	63	70	72	67.4
Heath Spring	Maximum...	93	94	91	87	86	81	83	85	91	89	86	86	85	87	88	84	88	86	91	83	83	88	86	88	85	86	85	85	87	87	87	86.9
	Minimum....	72	71	71	64	65	68	67	68	68	69	66	66	63	64	66	60	64	66	66	66	66	64	62	64	63	64	62	68	70	70	68	66.2
Kershaw §§	Maximum...	100	97	88	89	87	87	86	90	91	87	89	91	92	92	91	91	92	95	91	84	94	94	92	95	90	88	92	93	92	93	92	91.1
	Minimum....	73	71	71	65	66	63	67	68	68	68	64	63	62	63	69	70	68	68	69	70	64	66	67	69	60	63	63	58	69	71	70	66.6
Landrum	Maximum...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Liberty	Maximum...	95	91	85	87	85	75	79	85	89	82	85	86	87	88	85	88	88	89	88	87	89	90	91	90	87	85	90	92	92	85	86	87.1
	Minimum....	73	73	71	68	69	63	68	59	67	66	66	65	65	67	70	69	70	65	66	69	63	66	72	78	57	55	65	63	69	69	68	66.9
Little Mountain	Maximum...	98	98	88	88	88	82	86	89	91	96	88	89	90	88	81	91	93	95	91	83	89	93	91	93	88	88	89	89	91	89	89	89.7
	Minimum....	74	72	69	66	70	66	67	68	67	70	66	68	69	68	71	69	68	69	71	70	73	78	72	70	66	61	68	65	70	73	73	69.3
Meriwether	Maximum...	....	....	84	....	....	81	93	94	94	94	91	91	....	....	....	....	....	....	94	94	....	....	98	98	95	93	....	....	98	....	..	^{p}92.8
	Minimum....	....	....	70	....	....	68	68	69	69	69	65	79	....	....	....	....	....	....	69	65	....	....	67	68	59	57	....	....	61	....	....	^{p}66.9
Monetta	Maximum...	99	98	85	87	81	80	89	89	89	88	86	87	89	89	89	89	90	94	90	83	87	88	91	92	88	88	89	89	92	90	94	89.0
	Minimum....	74	73	73	68	70	66	69	69	69	71	69	67	66	71	71	70	69	70	70	70	67	70	72	70	64	65	67	64	70	72	72	69.3
Mountain Rest	Maximum...	92	89	81	82	81	71	74	80	86	84	81	86	78	80	81	82	87	85	86	82	84	86	85	85	79	82	82	85	86	87	81	82.7
	Minimum....	66	66	63	60	59	58	63	64	60	61	58	58	61	65	64	66	62	58	54	53	58	61	61	62	49	51	54	57	55	51	65	59.5
Newberry	Maximum...	100	100	87	90	82	83	87	89	94	90	87	90	90	90	94	92	94	94	91	86	93	95	95	96	92	89	90	90	93	90	86	90.9
	Minimum....	74	73	73	65	68	64	70	70	65	69	66	64	66	70	72	69	68	67	70	70	65	65	71	69	60	60	67	60	71	70	72	67.8
Saluda	Maximum...	96	99	86	90	81	80	87	90	91	93	88	91	90	91	95	92	93	96	91	85	94	95	93	94	91	91	91	91	92	93	90	91.0
	Minimum....	72	71	71	66	63	64	60	69	70	67	68	75	75	63	69	67	67	62	66	68	60	64	69	68	57	65	63	58	67	73	72	66.7
Santuck	Maximum...	99	98	84	87	89	83	86	89	93	87	87	91	90	93	95	92	93	95	89	90	91	93	95	97	96	87	86	93	94	91	88	91.1
	Minimum....	73	71	72	64	67	63	69	69	67	67	65	62	65	68	69	70	68	67	68	67	64	66	68	68	61	58	63	61	67	68	70	66.6
Spartanburg §§	Maximum...	97	97	88	90	91	81	84	87	92	86	87	90	89	89	88	89	91	92	91	91	96	90	92	93	87	86	86	92	92	94	84	89.7
	Minimum....	72	71	71	63	66	65	65	67	66	65	65	63	65	68	68	68	68	65	65	67	64	66	69	68	58	57	61	63	63	64	64	65.5
Trenton	Maximum...	99	100	96	87	80	79	8[illegible]	86	87	88	84	87	88	89	89	88	89	92	89	82	86	90	88	89	87	88	89	89	97	90	90	88.6
	Minimum....	71	69	68	72	67	71	69	70	71	68	67	65	68	71	70	67	67	70	67	68	67	64	71	69	64	64	64	64	65	72	72	68.1
White Oak	Maximum...	97	97	83	88	87	82	84	89	92	89	87	89	89	88	90	90	90	92	88	84	91	93	92	93	89	89	89	92	88	88	84	89.1
	Minimum....	74	73	72	64	68	65	70	69	68	69	65	64	65	68	70	69	68	69	69	70	65	68	69	70	63	61	66	62	69	72	70	67.9
Winthrop College	Maximum...	92	82	80	84	83	83	81	82	88	88	84	85	83	83	83	86	86	87	78	79	87	87	85	85	85	85	84	84	84	84	....	^{a}84.2
	Minimum....	75	69	70	65	66	65	69	69	69	67	65	64	65	67	71	70	72	67	67	69	65	65	70	69	61	60	63	61	70	70	71	67.3

Reference letters, (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing: For example, ^{b} represents two days missing, etc

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
NO RAIN
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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

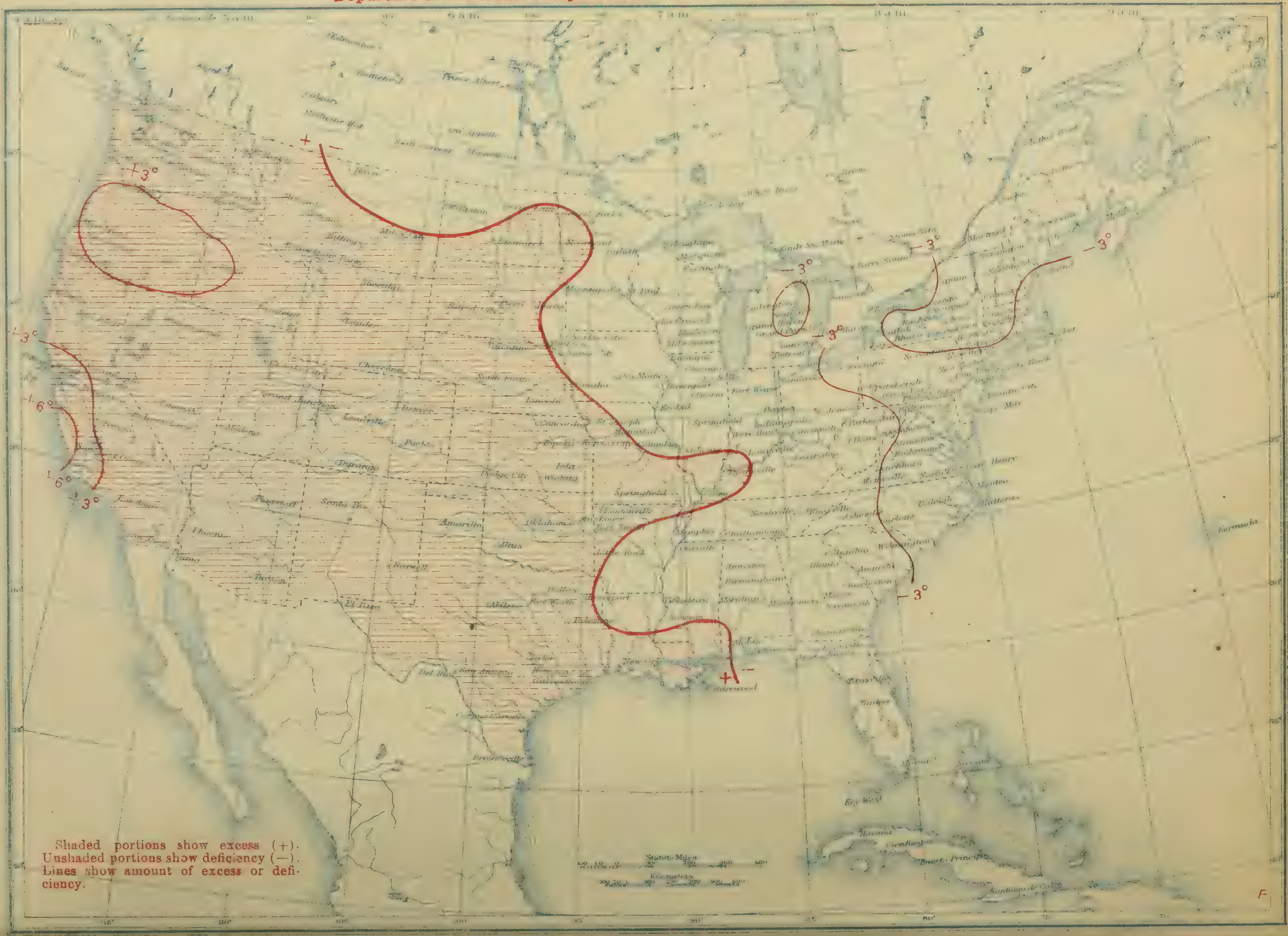
SOUTH CAROLINA SECTION

SEPTEMBER, 1917

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
November 9, 1917

Departure of the Mean Temperature from the Normal, September, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (—).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN. Meteorologist.

Vol. XX. Columbia, S. C., September, 1917. No. 9.

GENERAL SUMMARY.

September, on the whole, was unusually cool and wet. The month opened and closed with wet periods, which resulted in a monthly average precipitation above normal, while the intervening period was relatively dry, with only light rainfall generally.

Although rains of the first of the month improved all crops materially, the succeeding dry weather, with many cool nights and much cloudiness, was attended by further general deterioration of vegetation, particularly as to cotton, late corn, forage, and pastures in large areas. Cotton opened rapidly, and picking and ginning were pushed; but lack of seasonable rains when most needed, as well as insufficient fertilizer, finally resulted in poor top-crop prospects generally. Much good hay was secured during the month. While unfavorable for cotton condition and picking, the rains at the close of the month were beneficial to all late crops, and the soil was in fine condition for fall plowing.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.07 inches. The highest pressure in the region covered by reports was 30.39 inches at Asheville, N. C., on the 12th, and in the Section proper, 30.32 inches at Columbia on the same date; lowest pressure, 29.67 inches at Augusta, Ga., on the 29th, and in the Section proper, 29.71 inches at Charleston on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 42 stations, was 71.2°, or 2.9° below the established normal. The highest temperature was 98° at Anderson, Anderson County, on the 8th. The warmest periods were generally from the 1st to 3d and between the 7th and 9th. The lowest temperature was 40° at Heath Spring, Lancaster County, on the 13th; Mountain Rest, Oconee County, on the 12th, and Saluda, Saluda County, on the 19th. The coolest periods of the month were on the 12th and 13th and between the 18th and 21st.

HUMIDITY.

The mean relative humidity, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 86%; 8 p. m., 76%. The highest percentages occurred over the extreme eastern and extreme southern coast districts, and the lowest, over the central counties.

PRECIPITATION.

The average for the Section, 55 stations reporting, was 5.75 inches, or 1.76 inches above the established normal. The bulk of the monthly precipitation occurred about the opening and closing of the month, and the intervening period was marked by intermittent showers of light quantity generally, resulting in a long period of semi-drought, except in a few favored localities. During the dry period mentioned the deficiencies were particularly marked in large ares of the central and southern counties, where the total monthly amounts were less than 4 inches and ranged downward to 3 inches or less; over the upper coastal plain and in the northwestern counties the total monthly amounts ranged from 5 to nearly 10 inches. The greatest local monthly amount was 9.76 inches at Rimini, Clarendon County; least local monthly amount, 2.34 inches at Charleston. The greatest 24-hour rainfall at any station was 5.65 inches at Floyd Dale, Dillon County, on the 29th. The number of rainy days was 43% above normal.

The following deaths by lightning were reported during the month: On September 3, near Manning, Clarendon County, Mid Frierson, young son of Arthur Frierson; on September 4, at Greer, Greenville County, John Goodlett, wife and daughter, colored; on September 22, at Camp Jackson, near Columbia, George C. Kitt, M. Churcher, J. M. Green, and W. J. McCotte, colored carpenters at the camp; 7 other workmen were injured, and one later died of his injuries.

WIND.

The prevailing wind was from the northeast. The average hourly velocity, determined from 7 anemometer records, was 8.6 miles. The highest average velocity in the region covered by reports was 11.9 miles per hour at Charleston; lowest average, 5.9 miles per hour at Augusta, Ga., and in the section proper, 7.1 miles per hour at Columbia. The highest velocity for any 5-minute period was 46 miles per hour from the northeast at Savannah, Ga., on the 4th, and in the section proper, 34 miles per hour from the northeast at Charleston on the 10th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 179.2 hours, or 49% of the possible amount. The average number of clear days was 12; partly cloudy, 8, and cloudy, 10, as against normals of 15, 9, and 6 days, respectively. The average number of cloudy days was exceeded but once during the past 31 years.

RIVER CONDITIONS.

Heavy rains in the upper Catawba watershed about September 1 were followed by a moderate freshet in the lower Catawba, Wateree, and Santee rivers, the flood in the Santee passing Ferguson by the 13th. The unavoidable losses were estimated at $4,475, and the value of movable property saved by warnings of the Weather Bureau approximated $72,000. During the same series of rains a freshet occurred in the Pee Dee at Cheraw on the 2d, 3d, and 4th, entailing unavoidable losses estimated at $3,500, while the value of movable property saved by timely flood warnings approximated $10,000.

MISCELLANEOUS PHENOMENA. (dates).

Earthquakes:—Summerville, light tremors: 15th, 4:30 a.m.; 22d, 12:25 a.m.; 30th, 11:15 a. m.

ERRATA.—July, 1917.

Yemassee.— Precipitation, 2d, Page 53, should be .08.

MISCELLANEOUS DATA FOR SEPTEMBER, 1917.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.12	63.8	85	39	4.42	1.43	6.1	se.	88	76	46
Augusta, Ga.......	30.05	72.5	94	51	8.22	3.92	5.9	ne.	84	74	49
Charleston, S. C...	30.04	73.4	93	58	2.34	1.12	11.9	ne.	84	81	61
Charlotte, N. C...	30.10	67.6	83	45	3.29	0.95	10.3	ne.	86	70	47
Columbia, S. C....	30.08	71.5	92	50	3.07	1.98	7.1	ne.	83	67	46
Savannah, Ga.....	30.03	74.4	95	54	1.77	0.95	10.7	ne.	89	82	44
Wilmington, N. C	30.06	70.4	90	51	9.28	4.39	7.9	ne.	88	82	52
Means and extremes	30.07	70.5	95	39	4.63	4.39	8.6	ne.	86	76	49

Climatological Data for September, 1917.

Stations	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	28	72.7	-3.3	97	9	49	†12	31	5.30	+1.41	1.17	0	10	5	18	7	s.	R. B. Vance.
Beaufort	Beaufort	21	30	72.0	-5.2	95	2	51	12	30	4.85	-0.38	1.35	0	5	13	13	4	ne.	Miss Lillian H. Rice.
Blackville	Barnwell	296	28	73.8	-2.0	95	8	44	12	40	7.32	+2.95	4.09	0	10	16	5	9		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	16	73.7	-1.5	95	† 2	42	12	43	7.12	+3.66	4.34	0	11	17	4	9	nw	B. O. Evans.
Centenary	Marion	43	2	71.8		93	8	50	†12	36	5.39		2.45	0	16	8	11	11	ne.	D. L. Carmichael.
Charleston	Charleston	48	46	73.4	-2.8	93	9	58	12	20	2.34	-3.12	1.12	0	13	9	11	10	ne.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	27	70.4	-2.9	92	† 2	46	12	35	4.52	+0.90	2.03	0	8					J. H. Powe.
Conway	Horry	25	31	71.5	-3.3	93	2	50	20	33	6.99	+2.14	3.18	0	10	10	1	19	w.	Paul Quattlebaum.
Darlington ††	Darlington	175	22	71.2	-3.1	96	† 2	45	12	39	7.66	+3.83	2.87	0	10	10	4	16		D. C. McCall.
Edisto ‡‡	Bamberg	143	29								6.64	+2.99	2.30	0	11					Nathan Jenkins.
Effingham	Florence	106	24								9.23	+5.71	2.70	0	11					H. B. McCall.
Ferguson	Orangeburg	63	31																	Joseph P. Simons.
Florence 1	Florence	136	28	71.0	-3.8	92	† 3	46	12	39	6,67	+2.56	2.60	0	11	17	1	12	ne.	H. K. Gilbert.
Florence 2	do	136	2								5.37	+1.26	3.30	0	6	12	7	11	ne.	Pee Dee Experiment Sta.
Floyd Dale	Dillon	168				[a]96	2				8.13	+3.92	5.65	0	7	15	0	15	n.	H. B, Floyd.
Georgetown	Georgetown	12	22	73.6	-2.3	94	9	51	12	33	6.70	+2.53	2.70	0	5	16	10	4	ne.	A. P. Hazard.
Kingstree	Williamsburg	54	28	71.8	-3.4	93	† 2	48	12	35	7.23	+3.47	2.91	0	9	15	2	13	ne.	A. O. Matthews.
Oaks	Georgetown		2	[e]75.2		[e]92	9	[e]51	†12	[e]28	7.49		2.60	0	16	15	4	11	ne.	O. M. Mitchell.
Orangeburg	Orangeburg	264	1	71.6		94	† 7	48	†12	35	5.17		2.20	0	6	10	5	15		U. S. Fisheries Station.
Pinopolis **	Berkeley	54	67	68.8	-5.4	86	† 3	56	†18		6.64	+2.05	4.00	0	9	12	0	18	ne.	Miss E. P. Ravenel.
Rimini	Clarendon	97	3								9.76		4.45	0	15					William B. Wolfe.
St. George	Dorchester	109	28	72.8	-2.4	96	9	50	12	33	7.42	+3.36	2.34	0	12	12	6	12	ne.	R. S. Weeks.
St. Matthews	Calhoun	62	21	71.3	-3.1	94	† 2	47	13	38	8.88	+5.24	3.00	0	9	13	8	9	s.	J. S. Wannamaker.
Society Hill	Darlington	192	25	[b]70.0	-3.2	[b]97	5	[b]45	12	[b]40	7.21	+3.19	2.70	0	8	13	6	11	ne.	A. H. Rogers.
Summerville	Dorchester.	75	19	72.2	-2.8	92	9	49	12	28	5.86	+1.54	1.76	0	12	0	25	5	e.	Miss E. H. Gadsden.
Walterboro	Colleton	69	14	[a]75.7	-1.2	[a]96	† 3	[a]49	12	[a]40	5.43	+0.57	1.29	0	7	16	4	10		J. N. Frank.
Whitehall (near)	do	4																		Special Rice Exp. Station.
Yemassee	Hampton	24	21	72.3	-3.3	95	9	48	12	33	5.47	+1.23	2.51	0	14	13	7	10	ne.	J. G. Hutson.
Division means and extremes				72.2	-2.8	97	† 5	42	12	43	6.57	+1.27	5.65	0	10	12	7	11	ne.	
Western Portion.																				
Aiken	Aiken	527	56	72.6	-3.9	92	9	47	12	32	7.17	+3.90	1.99	0	12	14	7	9	ne.	Frank B. McCoy.
Anderson	Anderson	764	21	72.0	-2.4	98	8	47	12	43	5.43	+1.86	0.96	0	9	18	1	11	e.	H. H. Russell.
Batesburg	Lexington	656	28	70.6	-3.3	92	† 8	46	12	35	3.42	-0.47	1.83	0	5	11	9	10	n.	E. J. Hite.
Blairs	Fairfield	293	14								3.70	+0.88	1.47	0	9					J. N. Owens.
Calhoun Falls	Abbeville	508	24	71.5		96	2	46	†12	40	5.85	+1.85	1.93	0	11	11	7	12	e.	L. M. Parker.
Camden	Kershaw	222	57			95	2				5.48	+1.66	2.30	0	7	16	2	12	ne.	W. C. Brown.
Catawba	York	562	13								5.64	+2.43	1.56	0	7					James C. Faris.
Chappells	Newberry	402	13								6.24	+3.18	1.95	0	10					J. J. Murran.
Clemson College	Oconee	850	25	[c]68.4	-4.4	[c]85	† 3	[c]51	18	[c]27	5.57	+1.35	1.12	0	7	19	3	8	w.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	30	71.5	-2.2	92	7	50	12	32	3.07	-0.38	1.98	0	11	10	7	13	ne.	U. S. Weather Bureau.
Edgefield	Edgefield		3								5.17		1.70	0	9					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	4								4.16	+1.19	1.66	0	8					Harry A. Parshall.
Greenville	Greenville	989	24	69.4	-1.4	93	† 2	45	12	39	7.83	+3.92	1.45	0	11	12	11	7	ne.	J. H. Woodside.
Greenwood	Greenwood.	671	28	68.9	-4.6	89	† 8	44	13	32	6.54	+2.75	1.71	0	12	11	0	19	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	16	67.7	-6.1	90	† 1	40	13	36	3.00	-0.18	2.32	0	4	3	23	4	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	1	70.9		94	7	43	12	40	3.71		1.23	0	9	16	1	13	e.	John W. Hamel.
Landrum	Spartanburg	1063	2																	R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	18	70.0	-2.9	90	2	49	†12	34	7.88	+3.82	1.80	0	12	9	19	2	e.	John T. Boggs.
Little Mountain	Newberry	711	24	71.2	-3.8	95	2	46	12	35	3.36	+0.40	1.22	0	9	14	4	12	n.	J. M. Sease, M. D.
Meriwether	McCormick	450	14																	William S. Middleton.
Monetta	Saluda	400	10	72.0	-2.3	94	2	49	†12	39	2.94	-0.64	1.83	0	15	7	16	7	ne.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	2	[a]65.3		[a]86	† 2	[a]40	12	[a]41	6.20		1.40	0	10	20	0	10		James L. Brown.
Newberry	Newberry	502	14	71.6	-3.2	95	9	46	12	40	3.86	+0.83	1.30	0	11	5	14	11	e.	Warren G. Peterson.
Pelzer	Anderson	850	13								8.61	+5.40	1.68	0	10					Joshua Y. Jones.
Saluda	Saluda	536	16	72.8	-1.6	95	† 8	40	19	50	3.29	-0.01	1.52	0	8	10	12	8	ne.	Mrs. F. V. J. Maxwell
Santuck	Union	512	24	70.8	-2.6	95	2	44	12	35	3.69	+0.22	1.29	0	11	8	13	9	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	34	68.8	-3.9	92	8	45	12	37	4.70	+1.12	1.52	0	8					F. P. Robinson.
Trenton	Edgefield	620	28	71.6	-3.7	91	2	46	12	35	3.59	+0.22	1.38	0	5	13	11	6	e.	Mrs. S. E. Long.
Walhalla	Oconee	1061	14								6.08	+0.63	2.45	0	11	10	13	7	ne.	H. W. Brandt.
White Oak	Fairfield	548	1	70.2	-3.2	92	2	45	12	34	5.82	+2.36	2.32	0	10	15	6	9	ne.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	67.2	-6.0	86	† 7	44	13	30	3.58	+0.30	1.00	0	5	8	15	7	ne.	W. P. Goodman.
Division means and extremes				70.2	-3.6	98	8	40	12	50	5.02	+1.41	2.45	0	9	12	9	9	ne.	
Section means and extremes				71.2	-2.9	98	8	40	12	50	5.75	+1.76	5.65	0	10	12	8	10	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for September, 1917.

Stations.	Watersheds.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ‡	Savannah	.39	.55	.05							.60				.10									1.32			.26		.15	.02	.86		5.30
Beaufort	Coast				1.35						1.18			1.01															1.05	1.26			4.85
Blackville	Edisto			.71			.70				.03				.20									.90			.22	.06	.41	1.99	2.10		7.32
Bowman	do	.22	.15			.06					.10	T.	T.	.10	T.	T.	.03						.02	.56	T.	T.			.72	4.34	.82		7.12
Centenary	Pee Dee	.02				.55				.05	.35			.08	.20	.32	.07	.02					.15	.26	.03	.02			.22	2.45	.60		5.39
Charleston ***	Coast	.01		.22	.02	.09			T.	.02	.08			1.06	.13	.01	T.								T.	T.		.01	.16	.52	.01		2.34
Cheraw ‖	Pee Dee	.31		.18		.08					T.				T.	.37	.04							T.					.45	1.06	2.03		4.52
Conway ‖	Waccamaw	.53	T.							.22	.80				.22	.45	.05	T.						.39	.15					3.18	1.00		6.99
Darlington ‖	Pee Dee	.28								T.	1.57				.07	.30	.09	.03						.06	.07				.82	1.50	2.87		7.66
Edisto ‖	Edisto	.13		.32			.05				.62				.20			.05						.92		.09	.06			2.30	1.90		6.64
Effingham ‖	Lynches	.55			.41	.95					.35					.32	.10	.04						.90	.30				T.	2.70	2.61		9.23
Ferguson ‖	Santee	1.18									2.88																						...
Florence 1 ‖	Pee Dee	.38				.09				.02	.62					.28	.11							.14	.07				.06	2.30	2.60		6.67
Florence 2	do	.07				.03					.83														.10			T.	.04	3.30	1.00		5.37
Floyd Dale	Little Pee Dee			.95						.35					.11	.21	.09												.77	5.65			8.13
Georgetown	Coast		.40	2.70						T.	.70			T.	.30	T.	T.													2.60			6.70
Kingstree ‖	Black	1.25				.07					2.91				.53	.20	.05							.31	T.					.74	1.17		7.23
Oaks	do		.02	.41		.02				.82	.95			.30	.41	.06	.04	T.					2.60	T.	.08	.05		.02	.26	1.43	.02		7.49
Orangeburg	Edisto	T.	.36								T.				.15	T.	T.							.26	T.		T.	T.	T.	2.20	2.20		5.17
Pinopolis	Cooper	.20	.50							4.00				.80	16										.17	.10		.21	.50				6.64
Rimini ‖	Santee		.09	.35	.07	.03	.01				1.20				.14	.04	.02							.08	.10			.05	.60	3.85	3.13		9.76
St. George ‖	Edisto	.17		.29			1.27				2.34				.40		.03								.02	.03	.04	.11		1.98	.74		7.42
St. Matthews ‖	Santee	.10	.38	.50							.40				.15		.10												3.00	1.50	2.73		8.88
Society Hill ‖	do			.12							1.15					.49	.11							.04					.90	1.70	2.70		7.21
Summerville	Ashley	.45	T	.52	T.	T.					1.34			.76	.11	.05	.02								T.	.35		.15	1.76	.32	.03		5.86
Walterboro	Ashepoo	.87				.30					.60			.50												.95			.92	1.29			5.43
Whitehall (near)	Combahee																																...
Yemassee ‖	do	.67	.01			.20	.02		.06		.87				.64	.01	T.	T.							.02	.17	.06	.02		2.51	.21		5.47
Western Portion.																																	
Aiken	Edisto	.32	.13	1.99						.25	.15			.05									.23	.43				.07	.51	1.93	1.11		7.17
Anderson	Savannah	.89	.06			.95			.34			.08											.84					.66	.65	.96			5.43
Batesburg ‖	Edisto			.22							T.	T			T.	T.							T.	.12		T.		.31		.94	1.82		3.42
Blairs ‖	Broad	.50		.44		.05					.29				.03									.67					.25	1.05	.42		3.70
Calhoun Falls ‖	Savannah	1.46	.03	.16		.34			T	.12	T.	.09			.06								.92						.70	1.93	.04		5.85
Camden ‖	Wateree	.10		.34							1.98					.04								.38					.13	.21	2.30		5.48
Catawba ‖	Catawba	1.52		1.56							.39						.06												.55	1.10	.46		5.64
Chappells ‖	Saluda	1.34		.60		.30					.18	.20			.04								1.95						.10	1.48	.05		6.24
Clemson College	Savannah	.90		.55		.54																1.02						.54	.90	1.12			5.57
Columbia ***	Congaree	.01	.02			.02			T.	.72				T.	.08	.01	.04						T.			.01		.05	.14	1.97	T.		3.07
Edgefield ‖	Savannah	.25		.05		.70					.27												.90	.75					.15	1.70	.40		5.17
Gaston Shoals ‖	Broad	1.66	.30	T.		.32				T.	.05					T.	T.							.36	T.				.88	.49	.10		4.16
Greenville ‖	Saluda	2.52		.50		.84				.47	.02						.01						.38	.82				T.	1.45	.76	.06		7.83
Greenwood ‖	do	2.21		.37		.78				.06	.25	.06			.15								.36	.08					.33	1.71	.18		6.54
Heath Spring	Wateree					.18				.11																			.39	2.32			3.00
Kershaw	Lynches	.43		.30		.05					.63					.05	.02							T.					.30	.70	1.23		3.71
Landrum	Broad																																...
Liberty	Savannah	1.47	1.60	.20	.60	.20			.40	.10	T.	T											.30	.01	T.			.25	1.80	.95			7.88
Little Mountain	Saluda	.65	.25	.40						T.		.08				T.							.16					.30	.23	1.22	.07		3.36
Meriwether	Savannah																					.97		T					.65	2.00			...
Monetta	Edisto	.06	.17	.08		.01				.01				.01		T.	.02						.06	.04	.05	.04		.20	.03	1.83	.33		2.94
Mountain Rest	Savannah	1.30	.08	.40			.22		.80	.55						.08												1.07	1.40	.30			6.20
Newberry	Saluda	.04		.76		.05				.52	.24	.15		T	.03	T.	.01						.22					T.	.54	1.30			3.86
Pelzer ‖	do	1.64		1.52		.64					.65	.02			T.								1.68	.20	T.			T.	1.30	.92	.04		8.61
Saluda	do	.20				.07				.10													.82	.05					.23	1.52	.30		3.29
Santuck	Broad		.22	.20		.06			.03	T.	0.3			.06									1.25	.04				.02	.53	1.25			3.69
Spartanburg ‖	do	1.52		.25		.40					.04												T	.90	T.				.88	.67	.04		4.70
Trenton	Edisto	.44	T.			.26				T		T				T.							1.03	T.	T.	T.			.48	1.38			3.59
Walhalla	Savannah	2.45	.01	.05					T.	.15	.14	.11			T.								.09	.01				.45	2.03	.59			6.08
White Oak	Broad	.23		.11						2.32	.06				.02	.01							.54	1.22		T.			.16	1.15			5.82
Winthrop College	Catawba	1.00		.55							.25																		.78	1.00			3.58

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR SEPTEMBER.

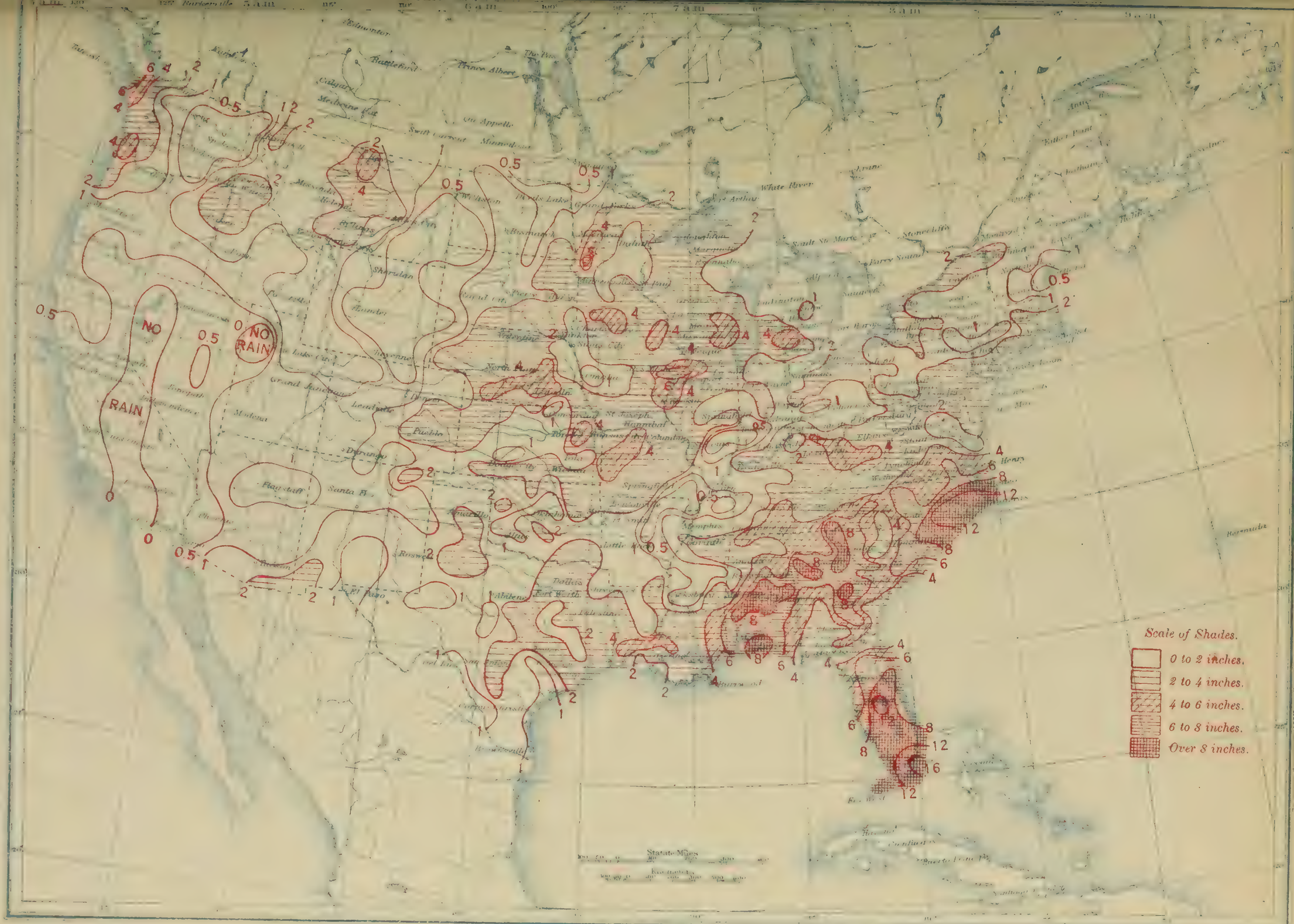
Year.	Temperature. Mean.	Temperature. Highest.	Temperature. Lowest.	Precipitation. Average.	Precipitation. Average days with 0.01 inch or more.	Average number of days. Clear.	Average number of days. Partly cloudy.	Average number of days. Cloudy.	Prevailing wind direction.	Year.	Temperature. Mean.	Temperature. Highest.	Temperature. Lowest.	Precipitation. Average.	Precipitation. Average days with 0.01 inch or more.	Average number of days. Clear.	Average number of days. Partly cloudy.	Average number of days. Cloudy.	Prevailing wind direction
1887	72.2	101	34	1.12	4				e.	1903	72.7	100	41	3.62	5	17	7	6	ne.
1888	69.6	93	31	9.86	13					1904	75.8	101	44	2.46	4	19	7	4	ne.
1889	72.1	98	40	3.34	5				se.	1905	76.2	98	49	1.91	1	16	8	6	ne.
1890	72.9	98	49	7.84	16				ne.	1906	78.0	98	55	4.85	9	10	12	8	ne.
1891	74.3	92	50	2.66					ne.	1907	76.0	99	45	5.91	9	13	11	6	w.
1892	72.5	93	40	6.41					ne.	1908	72.4	94	40	2.86	4	15	9	6	ne.
1893	74.7	98	46	4.12	7	14	7	9	sw.	1909	72.0	98	39	3.74	7	13	9	8	ne.
1894	75.0	100	52	6.51	12	12	10	8	ne.	1910	75.8	103	46	3.10	7	15	12	3	ne.
1895	76.9	106	35	1.29	4	17	8	5	ne.	1911	78.9	100	50	3.33	8	13	13	4	sw.
1896	75.0	105	39	2.94	5	17	8	5	ne.	1912	77.7	109	47	5.91	11	10	7	13	e.
1897	73.3	100	42	2.91	4	17	7	6	ne.	1913	71.7	99	40	4.66	9	14	7	9	ne.
1898	76.0	96	48	4.06	7	12	10	8	ne.	1914	71.3	101	43	3.63	7	14	9	7	ne.
1899	72.8	102	34	2.55	6	17	8	5	ne.	1915	75.9	102	43	2.38	5	16	8	6	ne.
1900	77.1	100	45	2.83	5	19	8	3	ne.	1916	72.2	99	35	2.56	7	17	8	5	ne.
1901	73.1	98	46	4.66	6	15	8	7	ne.	1917	71.2	98	40	5.75	10	12	8	10	ne.
1902	72.1	98	43	3.74	8	13	9	8	ne.	Period	74.1	109	31	3.99	7	15	9	6	ne.

Daily Temperatures for September, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	90	92	91	90	90	91	88	92	97	96	72	72	70	76	72	71	76	78	81	83	86	82	74	73	68	77	82	78	83	82	....	81.8
	Minimum	73	72	72	72	69	69	69	70	71	72	61	49	49	59	65	64	62	54	53	54	55	63	61	61	62	60	62	66	70	68	....	65.6
Beaufort	Maximum	87	95	90	90	91	91	91	87	90	80	70	72	66	78	76	70	73	75	78	80	86	82	73	71	68	76	81	83	81	81	....	80.4
	Minimum	72	72	71	65	68	68	68	71	73	69	57	51	57	61	66	61	60	56	57	56	59	67	61	59	59	60	66	68	68	66	....	63.7
Blackville §	Maximum	94	97	94	93	93	93	94	95	91	88	70	80	69	82	89	86	80	82	88	90	92	89	84	76	70	81	85	80	85	84	....	86.0
	Minimum	73	73	69	73	69	66	66	70	71	70	58	44	53	56	64	59	60	50	47	50	54	62	59	58	60	59	61	63	66	65	....	61.6
Bowman	Maximum	90	95	92	92	91	93	93	94	95	83	75	75	78	80	77	72	75	78	85	88	86	85	74	72	78	80	86	78	82	82	....	83.4
	Minimum	70	70	69	67	65	64	65	64	65	68	55	42	55	58	63	60	58	52	45	55	60	58	58	57	56	57	60	63	62	60	....	60.0
Centenary	Maximum	92	91	89	89	81	89	91	93	92	80	72	74	68	77	79	71	73	76	81	85	88	85	69	72	67	76	83	85	79	79	....	80.9
	Minimum	70	71	72	68	67	63	67	67	73	68	55	50	59	65	68	61	59	53	50	57	52	59	60	59	60	62	56	63	69	68	....	62.6
Charleston	Maximum	87	89	87	85	83	84	85	89	93	82	72	74	68	76	78	69	76	74	78	79	83	82	74	72	66	70	75	86	81	83	....	79.3
	Minimum	77	76	73	73	73	72	74	77	73	69	60	58	61	66	68	65	63	61	62	62	66	69	65	63	61	63	66	71	71	65	....	67.4
Cheraw §§	Maximum	86	92	90	87	81	88	92	92	86	77	71	76	67	70	72	69	74	79	82	87	86	80	75	74	68	80	81	73	69	76	....	79.3
	Minimum	68	71	70	68	67	64	67	70	70	69	54	46	52	64	68	60	54	48	50	52	56	62	60	59	59	60	60	65	64	65	....	61.4
Conway §§	Maximum	90	93	90	89	81	89	91	91	91	78	71	74	68	75	78	70	75	74	81	83	84	85	69	74	64	71	81	85	76	82	....	80.1
	Minimum	72	71	73	69	67	65	67	69	74	70	56	51	58	61	68	62	59	54	56	50	55	60	60	59	60	61	57	67	69	68	....	62.9
Darlington §§	Maximum	93	96	96	91	85	91	96	95	94	74	71	76	68	74	75	72	76	79	82	87	87	81	73	76	69	80	81	82	71	81	....	81.7
	Minimum	69	70	71	68	68	64	66	70	72	69	53	45	55	60	65	59	56	49	48	48	55	59	57	58	59	58	55	65	65	66	....	60.7
Ferguson §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Florence 1 §§	Maximum	91	90	92	90	82	90	92	91	91	73	70	75	70	76	75	71	75	80	84	89	88	84	72	73	77	80	80	80	71	79	....	81.0
	Minimum	70	70	69	68	67	64	67	70	72	70	54	46	50	59	65	60	56	51	52	50	53	57	59	58	59	59	58	59	67	67	....	60.9
Floyd Dale	Maximum	88	96	94	89	91	88	90	95	94	84	...	74	74	76	77	77	77	79	81	85	88	85	....	....	72	75	87	87	....	....	....	[f] 84.1
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Georgetown	Maximum	90	92	92	90	90	90	91	93	94	....	76	76	72	78	78	75	79	79	84	84	85	90	82	76	70	80	80	84	80	84	....	83.3
	Minimum	73	72	78	73	67	66	67	70	71	69	56	51	59	64	68	63	60	55	56	52	55	65	61	60	61	62	60	68	69	69	....	64.0
Kingstree §§	Maximum	92	93	92	90	85	91	92	93	92	79	71	75	66	79	76	73	76	77	81	85	84	86	72	74	74	78	79	80	83	81	....	81.6
	Minimum	71	71	72	70	69	65	66	69	71	70	56	48	52	59	65	61	60	52	54	50	54	58	60	58	59	65	59	64	69	67	....	62.1
Oaks	Maximum	91	90	90	86	82	88	90	93	92	80	72	73	68	77	78	70	75	....	....	....	....	89	....	72	65	76	78	80	80	81	....	[e] 86.4
	Minimum	67	72	72	....	68	65	65	67	72	69	56	51	60	65	67	62	60	51	....	....	....	....	65	60	60	62	60	66	69	66	....	[e] 63.9
Orangeburg	Maximum	88	92	92	89	84	91	94	93	94	84	72	75	68	81	76	72	72	78	82	82	88	83	74	75	69	78	79	78	72	82	....	81.2
	Minimum	74	76	72	72	69	68	62	67	70	70	56	48	55	56	64	62	58	52	48	47	56	61	60	57	58	58	62	63	68	68	....	61.9
St. George §§	Maximum	90	95	91	92	85	91	92	94	96	83	71	75	67	80	77	71	75	77	82	87	87	85	75	71	67	81	83	79	82	82	....	82.1
	Minimum	70	68	69	75	73	69	70	71	72	71	58	50	60	61	65	61	60	55	56	54	55	65	59	57	58	60	61	67	70	67	....	63.6
St. Matthews §§	Maximum	89	94	91	92	85	89	94	94	93	84	72	75	67	80	77	72	75	77	81	87	88	81	75	76	69	79	76	77	76	82	....	81.6
	Minimum	75	72	67	69	69	65	67	68	68	69	54	52	47	56	64	60	59	50	48	49	56	62	60	58	59	59	60	63	60	65	....	61.0
Society Hill §§	Maximum	....	92	93	....	97	92	93	94	92	75	69	73	67	73	74	72	74	76	81	87	86	81	72	74	76	77	79	78	71	78	....	[b] 80.0
	Minimum	69	..	70	69	....	64	67	70	71	69	53	45	53	59	65	60	55	56	48	47	55	59	59	59	59	54	65	65	65	65	....	[b] 60.1
Summerville	Maximum	91	90	89	89	87	87	90	90	92	81	73	74	68	75	76	72	74	75	81	81	82	73	75	71	68	76	79	80	81	81	....	80.4
	Minimum	72	71	71	72	70	67	67	70	72	70	58	49	59	63	67	63	62	56	56	54	57	64	62	60	59	62	63	68	70	69	....	64.1
Walterboro	Maximum	91	94	96	93	90	93	94	96	91	92	83	85	80	82	81	82	80	82	86	89	90	92	88	75	70	....	87	82	87	86	....	[a] 86.8
	Minimum	63	76	70	72	66	70	78	75	64	72	57	49	52	64	63	60	62	54	64	69	52	68	65	59	59	....	62	98	71	68	....	[a] 64.6
Yemassee §§	Maximum	91	92	92	92	90	90	90	92	95	85	76	77	66	80	78	70	78	79	83	84	85	87	79	73	70	79	82	81	86	85	....	82.9
	Minimum	70	68	68	71	66	65	64	66	66	69	58	48	50	57	63	62	61	53	51	51	53	67	61	58	58	60	64	66	70	68	....	61.7
Western Portion.																																	
Aiken	Maximum	87	91	90	89	85	88	91	91	92	83	82	74	73	75	75	73	75	78	81	86	85	83	76	74	71	76	80	81	79	80	....	81.5
	Minimum	64	73	69	73	69	68	69	85	73	70	59	47	56	62	65	62	60	54	54	58	61	64	59	60	61	58	63	65	66	66	....	63.8
Anderson	Maximum	88	96	94	97	87	93	95	98	97	86	80	75	78	83	79	79	79	84	92	91	96	82	77	81	70	78	74	75	73	84	....	84.7
	Minimum	65	69	68	68	64	63	67	69	68	66	53	47	50	58	65	61	57	52	52	53	57	60	57	52	57	53	59	60	60	52	....	59.4
Batesburg §§	Maximum	89	90	90	89	84	90	91	92	92	83	69	74	65	71	72	73	76	79	83	86	87	76	75	73	69	79	76	75	74	78	....	80.0
	Minimum	70	69	68	71	69	65	66	70	71	68	58	46	47	54	64	65	64	51	48	53	59	62	59	59	55	58	60	63	64	63	....	61.2
Calhoun Falls	Maximum	91	96	93	92	95	89	94	95	92	85	72	76	74	79	80	79	79	81	86	90	92	80	75	74	73	83	76	69	75	79	....	83.1
	Minimum	69	68	68	69	65	67	65	68	70	69	56	46	49	53	62	64	59	52	46	50	53	58	60	59	57	55	58	62	62	59	....	59.9
Camden §§	Maximum	90	95	93	93	85	87	88	88	88	80	79	72	73	74	74	73	72	77	78	77	82	79	79	73	69	78	75	74	75	76	....	79.9
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clemson College	Maximum	81	83	85	84	84	....	....	....	....	....	85	75	73	76	75	78	79	76	75	76	76	73	72	72	73	71	70	70	71	73	....	[e] 76.2
	Minimum	68	69	69	58	59	....	....	....	....	....	59	67	60	64	61	63	60	51	60	54	57	57	62	61	58	58	60	62	63	55	....	[e] 60.6
Columbia	Maximum	88	91	91	89	83	89	92	90	89	82	70	73	65	74	72	74	74	76	81	85	86	79	74	72	66	78	73	75	73	78	....	79.4
	Minimum	73	71	70	72	71	68	71	72	71	68	57	50	57	63	66	62	59	54	52	53	63	65	62	61	61	62	62	66	66	59	....	63.6
Greenville §§	Maximum	86	93	93	90	82	87	90	91	87	85	77	75	73	80	78	81	78	80	83	89	89	75	66	75	70	77	66	69	72	76	....	80.4
	Minimum	66	66	67	66	64	65	65	66	67	67	55	45	48	57	61	62	56	48	47	50	53	59	57	57	55	54	57	60	61	65	....	58.5
Greenwood §§	Maximum	83	87	85	86	80	82	85	89	89	81	68	70	69	75	76	74	71	75	79	83	84	76	70	71	70	75	73	70	70	74	....	77.3
	Minimum	67	68	69	70	66	68	67	75	70	69	55	45	44	52	60	62	57	50	56	51	57	62	57	58	58	65	57	62	63	61	....	60.5
Heath Spring	Maximum	90	89	90	80	77	75	90	89	78	78	71	72	70	70	72	74	77	75	83	86	86	76	77	72	73	74	77	74	75	76	....	78.2
	Minimum	65	66	65	68	66	63	61	70	68	68	54	43	40	42	46	47	46	47	49	55	54	57	58	58	57	57	58	56	64	65	....	57.2
Kershaw §§	Maximum	90	93	90	91	80	90	94	93	93	83	72	76	70	78	74	75	76	79	84	87	86	84	79	76	72	78	79	80	72	80	....	81.8
	Minimum	67	69	70	69	68	65	66	70	69	69	55	43	51	55	63	60	54	49	48	47	55	62	59	59	59	58	56	61	62	63	....	60.0
Landrum	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Liberty	Maximum	84	90	87	87	81	82	89	88	85	81	72	72	70	78	78	77	74	77	80	83	85	78	72	74	77	76	67	79	71	75	....	79.0
	Minimum	66	70	68	67	66	66	66	71	70	68	56	49	59	62	68	63	58	61	49	51	56	58	49	59	56	56	61	62	63	58	....	61.1
Little Mountain	Maximum	87	95	89	89	83	87	91	92	92	84	75	73	74	75	74	75	74	75	82	87	86	80	78	78	68	76	73	72	71	77	....	80.4
	Minimum	68	73	69	70	70	68	69	71	72	70	57	46	53	56	55	62	56	52	52	58	63	62	61	59	59	62	61	63	62	63	....	62.1
Meriwether	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	79	80	82	85	91	....	75	75	....	79	83	83	81	82	...	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	62	56	50	65	70	....	57	58	...	56	60	63	63	62	....	...
Monetta	Maximum	90	94	92	90	85	91	92	92	93	85	76	75	68	74	74	73	76	80	83	88	89	80	74	74	69	79	77	76	76	78	....	81.4
	Minimum	72	72	70	74	70	67	67	70	72	69	59	49	55	62	64	62	59	53	49	55	59	63	59	58	60	59	61	64	65	64	....	62.7
Mountain Rest	Maximum	81	86	86	84	76	83	84	84	84	83	81	62	71	76	78	76	70	71	77	....	79	73	64	70	68	71	62	68	69	69	....	[a] 75.4
	Minimum	62	66	64	59	61	61	59	62	64	63	53	40	41	59	57	55	55	44	44	....	47	56	55	57	51	51	52	59	60	45	....	[a] 55.2
Newberry	Maximum	90	94	92	90	84	90	93	93	95	83	75	74	67	76	77	75	75	80	83	88	89	79	73	75	71	80	74	72	70	78	....	81.2
	Minimum	69	72	69	71	69	68	67	71	70	71	58	46	51	61	66	63	57	51	57	49	57	63	59	60	60	57	60	63	64	62	....	62.0
Saluda	Maximum	90	92	93	93	87	94	91	95	95	81	83	86	68	77	77	77	78	82	86	90	90	90	75	74	74	80	78	74	72	80	....	83.4
	Minimum	70	70	69	71	69	68	65	70	69	78	56	69	46	61	65	68	58	45	40	44	53	61	61	59	60	57	68	63	63	65	....	62.1
Santuck	Maximum	88	95	92	88	81	88	92	93	92	83	74	74	70	76	78	74	74	79	83	88	89	77	71	74	69	77	72	71	71	75	....	80.3
	Minimum	66	69	69	69	68	68	67	70	68	69	56	44	49	59	65	63	56	59	58	59	54	61	58	58	58	54	57	62	63	59	....	61.2
Spartanburg §§	Maximum	87	90	90	89	80	87	91	92	85	83	70	73	70	77	76	75	75	79	83	87	86	72	67	73	69	76	70	68	70	72	....	78.7
	Minimum	66	67	68	67	64	65	67	68	68	69	55	45	48	53	60	62	55	49	50	50	55	57	58	57	56	53	56	59	61	57	....	58.8
Trenton	Maximum	87	91	90	89	85	86	88	90	90	90	76	73	67	75	75	76	76	79	82	87	87	87	86	72	69	76	77	72	76	78	....	81.1
	Minimum	69	68	76	72	67	66	69	76	69	69	58	46	56	65	70	58	56	51	52	54	58	57	56	57	59	56	61	66	66	64	....	62.2
White Oak	Maximum	88	92	91	88	82	88	91	91	91	80	72	73	67	72	77	75	74	79	83	86	86	78	72	73	67	78	72	78	74	77	....	79.8
	Minimum	67	71	70	70	70	65	68	70	70	6	55	45	51	60	65	62	55	50	52	55	60	63	59	58	59	57	58	63	64	63	....	61.5
Winthrop College	Maximum	81	81	81	81	83	81	86	86	87	75	73	67	67	67	68	68	66	70	70	77	77	75	67	66	64	71	71	70	67	67	...	73.9
	Minimum	65	69	69	68	69	66	68	70	69	68	54	47	50	61	64	62	51	49	50	54	61	61	55	58	58	65	56	63	63	59	....	60.7

Reference letters, (a, b, c), appearing in the table indicate number of days missing. For example, b represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
NO RAIN
Statute Miles
Kilometers

5 1,05
N SC

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

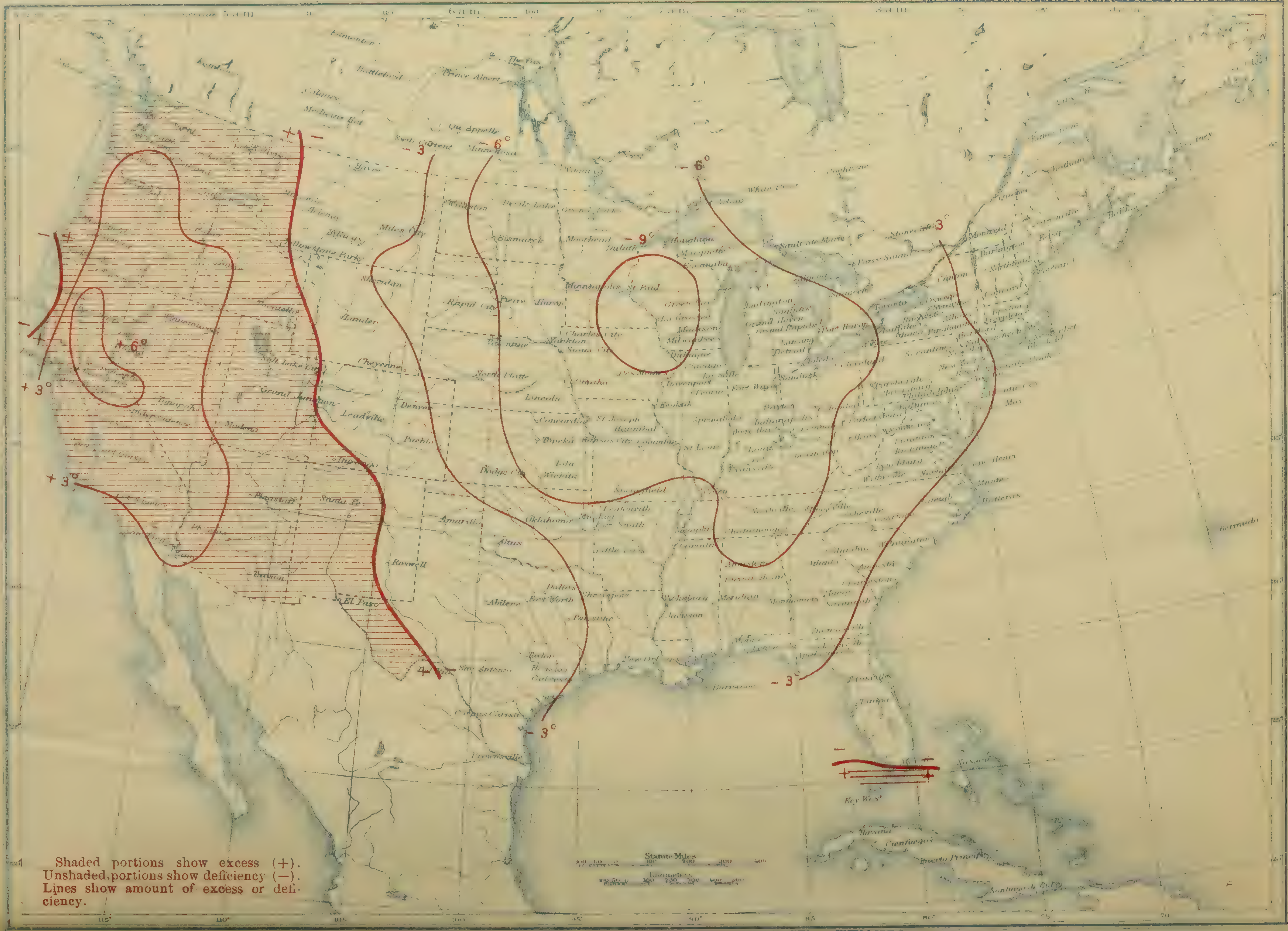
SOUTH CAROLINA SECTION

OCTOBER, 1917

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
December 11 1917

Departure of the Mean Temperature from the Normal, October, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN. Meteorologist.

Vol. XX. Columbia, S. C., October, 1917. No. 10.

GENERAL SUMMARY.

Thermal conditions persistently below the seasonal average, with but few warm periods of short duration, resulted in a mean temperature equaling the lowest of record for October. The weather was remarkably dry, copious rains being the exception until the close of the month. The first general killing frosts of the autumn were practically three weeks earlier than last year.

The long dry periods between rains were especially favorable for cotton picking, corn gathering, pea-vine haying, sweet potato digging, molasses making, and plowing for and seeding of winter grains. Oats and rye were the principal grains sown, and but little wheat was seeded; oats germinated satisfactorily in large areas. A large portion of the cotton crop remains to be picked. The frosts of the last week of the month checked all vegetation and killed practically the entire winter truck crops of the lower counties. On authority of Mr. A. F. Conradi, State Entomologist, the first cotton boll weevil appeared in South Carolina, on Daufuskie Island, Beaufort County, on October 24.

PRESSURE.

The mean sea-level pressure, determined from reports of 7 regular Weather Bureau stations in and surrounding the Section, was 30.08 inches. The highest pressure in the region covered by reports was 30.40 inches at Asheville, N. C., on the 2d, and in the Section proper, 30.36 inches at Columbia on the 7th; lowest pressure, 29.61 inches at Charlotte, N. C., on the 30th, and in the Section proper, 29.67 inches at Columbia on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 40 stations, was 59.3°, or 3.8° below the established normal and equal to the lowest October average of record. The highest temperature of the month was 90° at Little Mountain, Newberry County, on the 29th. The warmest periods of the month were generally about the 6th, between the 16th and 19th, and on the 28th and 29th. The lowest temperature was 22° at Mountain Rest, Oconee County, on the 31st. The coldest weather of the month occurred between the 24th and 26th and on the 30th and 31st, when the first general killing frosts of the autumn occurred, reaching nearly to the extreme southern coast on the latter date.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 81%; 8 p. m., 68%. The highest percentages occurred over the coast counties and the lower Savannah watershed, and the lowest, over the north-central counties.

PRECIPITATION.

The average for the Section, 55 stations reporting, was 1.50 inches, or 1.62 inches below the established normal. There were three rainy periods, viz: 5th to 10th, 18th to 20th and 29th and 30th. The rainfall was fairly well distributed over the Section, but the showers were generally light until the closing period, resulting in total monthly amounts below normal, with but few exceptions. Over a considerable area of the northwestern counties the monthly amounts ranged from 3.00 to over 4.00 inches, while along the lower Piedmont and on the coastal plain the measurements ranged from 2.00 inches downward to mere sprinkles in Orangeburg and Georgetown Counties. The greatest local monthly amount was 4.03 inches at Catawba, York County; least local monthly amount, traces, at Orangeburg, Orangeburg County, and Georgetown County. The greatest 24-hour rainfall at any station was 2.86 inches at White Oak, Fairfield County, on the 30th. The number of rainy days averaged 33% below normal.

Snow flurries occurred at Little Mountain, Newberry County, on the 30th.

A severe storm of tornadic proportions occurred in Lancaster County during the night of the 29th and 30th, causing considerable damage to barns and outhouses, but there was no loss of life.

WIND.

The prevailing wind was from the southwest. The average hourly velocity, determined from 7 anemometer records, was 8.5 miles. The highest average velocity in the region covered by reports was 10.7 miles per hour at Savannah, Ga.; lowest average, 5.1 miles per hour at Augusta, Ga., and in the Section proper, 6.9 miles per hour at Columbia. The highest velocity for any 5-minute period was 42 miles per hour from the northwest at Savannah, Ga., on the 30th, and in the Section proper, 36 miles per hour from the northwest at Charleston on the same date.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 7 automatic records, was 267.6 hours, or 77% of the possible amount. The average number of clear days was 23; partly cloudy, 5, and cloudy, 3, as against normals of 18, 6, and 7 days, respectively.

RIVER CONDITIONS.

Aside from a moderate freshet in the upper Santee River during the early part of October, incident to heavy rains locally in the region immediately about the close of September, the rivers of the Section were relatively low throughout the month.

MISCELLANEOUS PHENOMENA. (dates).

Frosts, killing: (Number of stations against dates.) 1st, 1; 13th, 2; 14th, 1; 22d, 2; 24th, 18th; 25th, 7; 26th, 1; 31st, 1. Dates after first autum killing frost are not considered.

CORRECTIONS.

Chappells.- Total precipitation, pages 60 and 61, should be 2.23.

MISCELLANEOUS DATA FOR OCTOBER, 1917.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.12	50.0	78	23	1.81	0.90	8.8	nw.	88	66	61
Augusta, Ga.......	30.08	61.0	85	33	0.60	0.29	5.1	nw.	85	74	84
Charleston, S. C...	30.07	63.7	84	39	0.33	0.32	10.2	n.	77	76	78
Charlotte, N. C ...	30.08	57.0	83	31	1.95	1.08	10.2	ne.	77	57	76
Columbia, S. C ...	30.09	60.8	84	34	0.81	0.49	6.9	ne.	78	55	84
Greenville, S. C. ..	....	*55.0	*81	*28	1.98	0.82	......	ne.	79	65	..
Savannah, Ga.....	30.07	64.4	85	39	0.54	0.50	10.7	ne.	82	76	73
Wilmington, N. C.	30.08	60.7	83	33	0.34	0.16	7.6	n.	82	74	78
Means and extremes.....	30.08	59.1	85	23	1.04	1.08	8.5	ne.	81	68	77

* 23 days.

Climatological Data for October, 1917.

Stations	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	28	61.4	−3.5	87	† 5	32	25	36	0.36	−2.42	0.21	0	4	13	17	1	w.	R. B. Vance.
Beaufort	Beaufort	21	30																	Miss Lillian H. Rice.
Blackville	Barnwell	296	28					31	26		1.30	1.68	0.73	0	4	26	0	5		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	16	60.4	−3.8	86	16	27	†25	53	0.04	−2.71	0.04	0	1	25	6	0	sw.	B. O. Evans.
Centenary	Marion	45	2	61.2		87	† 5	20	25	46	0.48		0.30	0	3	18	10	3	nw	D. L. Carmichael.
Charleston	Charleston	48	46	63.7	−3.4	81	5	39	24	25	0.33	−3.60	0.32	0	2	21	5	5	n.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	27	59.3	−2.3	84	† 5	30	31	46	1.42	−1.43	1.01	0	5					J. H. Powe.
Conway	Horry	25	31	61.2	−3.0	86	5	32	31	36	0.27	−3.23	0.21	0	2	19	1	11	ne.	Paul Quattlebaum.
Darlington ††	Darlington	175	22	60.0	−3.4	87	16	30	31	41	0.83	−2.51	0.40	0	4	21	6	4		D. C. McCall.
Edisto ‡‡	Bamberg	143	29								0.22	−2.15	0.15	0	2					Nathan Jenkins.
Effingham	Florence	106	24								1.72	−1.33	1.54	0	3					H. B. McCall.
Ferguson	Orangeburg	63	31																	Joseph P. Simons.
Florence 1	Florence	136	28	60.9	−2.5	88	8	31	31	45	0.99	−2.12	0.49	0	4	24	6	1	ne.	H. K. Gilbert.
Florence 2	do	136	2								1.00	−2.11	0.38	0	4	25	6	0	ne.	Pee Dee Experiment Sta.
Floyd Dale	Dillon	168																		H. B. Floyd.
Georgetown	Georgetown	12	22	62.6	−2.8	86	18	33	25	43	T.	−3.68	T.	0	0	22	6	3	ne.	A. P. Hazard.
Kingstree	Williamsburg	54	28	60.8	−3.8	88	5	31	25	42	1.05	−1.90	0.60	0	3	22	4	5	w.	A. O. Matthews.
Oaks	Georgetown		2	^{b}62.8		^{b}88	29	^{a}32	†25	^{b}48	0.20		0.17	0	3	25	4	2	sw.	O. M. Mitchell.
Orangeburg	Orangeburg	264	1	60.4		88	5	29	25	41	T.		T.	0	0	22	3	6		U. S. Fisheries Station.
Pinopolis **	Berkeley	51	67	56.6	−7.6	80	5	36	31		1.02	−2.11	1.00	0	2	24	0	7	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	3								0.70		0.25	0	4					William B. Wolfe.
St. George	Dorchester	109	28	63.2	−1.3	88	5	33	25	39	0.35	−2.01	0.24	0	5	27	2	2	sw.	R. S. Weeks.
St. Matthews	Calhoun	62	21	61.1	−2.8	87	5	32	†24	38	0.60	−2.09	0.33	0	3	23	8	0	s.	J. S. Wannamaker.
Society Hill	Darlington	192	25	59.0	−2.8	86	† 5	30	31	40	1.36	1.77	0.42	0	4	25	4	2	ne.	A. H. Rogers.
Summerville	Dorchester	75	19	63.1	−1.8	87	18	32	31	48	0.04	−3.90	0.04	0	1	20	9	2	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	14					31	31		1.04	−2.22	0.60	0	2					J. N. Frank.
Whitehall (near)	do	4																		Special Rice Exp. Station.
Yemassee	Hampton	24	21	61.4	−3.4	86	† 5	27	†25	42	0.24	2.69	0.15	0	2	25	2	4	ne.	J. G. Hutson.
Division means and extremes				61.1	−3.1	88	† 5	27	†25	53	0.65	−2.69	1.54	0	3	23	5	3	ne.	
Western Portion.																				
Aiken	Aiken	527	56	61.7	−3.8	84	† 5	32	†24	41	1.32	−1.40	0.56	0	4	25	3	3	w.	Frank B. McCoy.
Anderson	Anderson	764	21					28	24		2.24	−0.60	1.18	0	4	25	0	6	w.	H. H. Russell.
Batesburg	Lexington	656	28	59.3	−3.7	83	5	33	24	36	1.52	−1.73	0.77	0	4	25	4	2	s.	E. J. Hite.
Blairs	Fairfield	293	14								3.12	+0.44	2.00	0	5					J. N. Owens.
Calhoun Falls	Abbeville	508	24	57.4		89	17	28	31	43	1.95	−0.90	0.93	0	4	23	4	4	w.	L. M. Parker.
Camden	Kershaw	222	57			^{b}84	5				0.96	−1.77	0.30	0	4	21	6	4	ne.	W. C. Brown.
Catawba	York	562	13								4.03	+0.40	2.66	0	5					James C. Faris.
Chappells	Newberry	402	13								2.29	−0.52	1.43	0	4					J. J. Murran.
Clemson College	Oconee	850	25	56.0	−5.3	79	5	29	31	39	1.73	−1.61	0.65	0	4	24	3	4	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	30	60.8	−3.2	84	19	34	25	34	0.81	−2.04	0.49	0	6	23	7	1	ne.	U. S. Weather Bureau.
Edgefield	Edgefield		3								1.05		0.40	0	3					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	4								2.12	−0.67	0.75	0	6					Harry A. Parshall.
Greenville, No. 1	Greenville	1039	24	^{b}55.0	−4.9	^{b}81	16	^{b}28	24	^{b}32	1.98	−0.98	0.82	0	6	21	6	4	ne.	U. S. Weather Bureau.
Greenville, No. 2	Greenville	989	24	55.8	−4.1	87	5	26	24	44	2.35	−0.61	0.93	0	6	23	4	4	w.	J. H. Woodside.
Greenwood	Greenwood	671	28	56.4	−5.6	83	5	30	†24	39	3.25	+0.42	1.65	0	5	25	0	6	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	16	58.3	−3.2	84	†16	30	31	42	1.84	−0.79	1.67	0	2	16	13	2	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	1	58.9		86	5	30	31	38	1.46		0.66	0	3	24	3	4	e.	John W. Hamel.
Landrum	Spartanburg	1063	2																	R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	18	56.7	−4.7	83	5	28	31	41	2.12	−1.64	0.98	0	4	23	7	1	sw.	John T. Boggs.
Little Mountain	Newberry	711	24	60.0	−4.1	90	29	31	24	45	1.85	−1.16	0.97	T.	3	25	2	4	w.	J. M. Sease, M. D.
Meriwether	McCormick	450	14	^{c}58.4	−5.0	^{c}87	5	^{c}29	25	^{c}48	1.13	1.22	0.82	0	2					William S. Middleton.
Monetta	Saluda	400	10	61.0	−3.1	86	16	32	†24	43	1.40	−1.94	0.70	0	4	20	10	1	sw.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	2	51.0		79	5	22	31	47	3.89		2.02	0	4	27	0	4		James L. Brown.
Newberry	Newberry	502	14	59.4	−3.1	87	5	30	25	45	2.74	−0.01	1.76	0	4	20	8	3	sw.	Warren G. Peterson.
Pelzer	Anderson	850	13								3.00	−0.31	1.16	0	5					Joshua Y. Jones.
Saluda	Saluda	536	16	58.4	−4.5	86	16	26	25	49	2.00	−1.04	0.88	0	3	27	3	1	sw.	Mrs. F. V. J. Maxwell
Santuck	Union	512	24	58.2	−3.3	86	† 5	29	25	47	1.52	−1.73	0.99	0	4	26	2	3	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	34	56.0	−4.9	85	5	28	31	42	2.19	−0.48	1.10	0	5					F. P. Robinson.
Trenton	Edgefield	620	28	59.8	−4.5	84	17	30	31	41	1.75	−1.55	1.15	0	3	26	3	2	s.	Mrs. S. E. Long.
Walhalla	Oconee	1061	14								3.50	+0.54	1.30	0	5	23	4	4	e.	H. W. Brandt.
White Oak	Fairfield	548	1	60.0	−2.3	85	† 5	32	†24	42	3.54	+0.52	2.86	0	3	27	3	1	sw.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	55.8	−6.1	78	5	30	24	35	2.55	−0.36	1.85	0	3	23	6	2	s.	W. P. Goodman.
Division means and extremes				57.5	−4.8	90	29	22	31	49	2.17	−0.81	2.86	T	4	24	4	3	sw.	
Section means and extremes				59.3	−3.8	90	29	22	31	53	1.50	−1.62	2.86	T	4	23	5	3	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for October, 1917.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale [1]	Savannah						.21				.05																	T.	.05	T.	.05		0.36
Beaufort	Coast																																
Blackville [1]	Edisto						.20				.15										.22											.73	1.30
Bowman	do						.04			T.										T.									T.	T.			0.04
Centenary	Pee Dee									.10										T.	.08									T.	.30		0.48
Charleston ***	Coast									.01										T.	T.	T.						.32			T.		0.33
Cheraw ‖	Pee Dee						.08			T.	.16										.13										1.01	.04	1.42
Conway [1]	Waccamaw										T.										.21		T.		T.						.06	T.	0.27
Darlington [1]	Pee Dee						.10				.20										.13									.40			0.83
Edisto	Edisto						.15				.07																						0.22
Effingham ‖	Lynches										.13										.05										1.54		1.72
Ferguson [1]	Santee																																
Florence 1 [1] ‖	Pee Dee						.11				.15										.49										.24		0.99
Florence 2	do									.34										.05	.23										.38		1.00
Floyd Dale	Little Pee Dee																																
Georgetown	Coast																					T.									T.		T.
Kingstree ‖	Black						.60																								.40	.05	1.05
Oaks	do										T.									.01	.02									T.	.17		0.20
Orangeburg	Edisto										T.																				T.		T.
Pinopolis	Cooper																			1.00										.02			1.02
Rimini [1]	Santee						.25				.09										.16										.20		0.70
St. George [1]	Edisto										.04										.03								.04		.23	.01	0.35
St. Matthews [1]	Santee						.07				.20																				.33		0.60
Society Hill ‖	do						.42				.48										.04										.42		1.36
Summerville	Ashley									T.										T.								T.			.04		0.04
Walterboro	Ashepoo																			.44								.60					1.04
Whitehall (near)	Combahee																																
Yemassee	do										T.									T.	.15								T.		.09		0.24
Western Portion.																																	
Aiken	Edisto					.27				.32										.17											.56		1.32
Anderson	Savannah									.56										.50										.80	.38		2.24
Batesburg ‖	Edisto									.09	.44									T.	.22										.77		1.52
Blairs	Broad									.03	.52									.01	.56										2.00		3.12
Calhoun Falls ‖	Savannah									.39	.23								T.	.40											.93		1.95
Camden ‖	Wateree						.28				.22										.16										.30		0.96
Catawba ‖	Catawba						.05			.18	.49										.65										2.66		4.03
Chappells ‖	Saluda									.14	.60										.12										1.43		2.29
Clemson College	Savannah									.40									.10	.58										.65			1.73
Columbia ***	Congaree					.01	.02			.26										.03										.05	.44		0.81
Edgefield [1]	Savannah								.40	.25																					.40		1.05
Gaston Shoals [1]	Broad						.12			.43	.11									.33	.42									T.	.71		2.12
Greenville No. 1 ***	Saluda					.04				.54									.10	.48										.80	.02		1.98
Greenville No. 2 ‖	do						.09			.47	.10								T.	.35	.41									T.	.93		2.35
Greenwood ‖	do									.55	.38									.58	.09										1.65		3.25
Heath Spring	Wateree																			.17											1.67		1.84
Kershaw	Lynches						.35				.45																				.66		1.46
Landrum	Broad																																
Liberty	Savannah					.04														.98										.80	.30		2.12
Little Mountain	Saluda									.62										.26											.97		1.85
Meriwether	Savannah									.82									T.	T.										.31			1.13
Monetta	Edisto									.47										.22										.01	.70		1.40
Mountain Rest	Savannah									.70									.35	2.02											.82		3.89
Newberry	Saluda						.02			.60										.36										T.	1.76		2.74
Pelzer ‖	do									.76	.10									.54	.44										1.16		3.00
Saluda	do								.88											.32											.80		2.00
Santuck	Broad						.03			.32										.18										T.	.99		1.52
Spartanburg ‖	do									.60	.09									.10	.30									T.	1.10		2.19
Trenton	Edisto						T.			1.15									T.	.36										T.	.24		1.75
Walhalla	Savannah				T.	T.				.53									.42	1.30										1.04	.21		3.50
White Oak	Broad									.51										.17											2.86		3.54
Winthrop College	Catawba									.35										.35											1.85		2.55

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR OCTOBER.

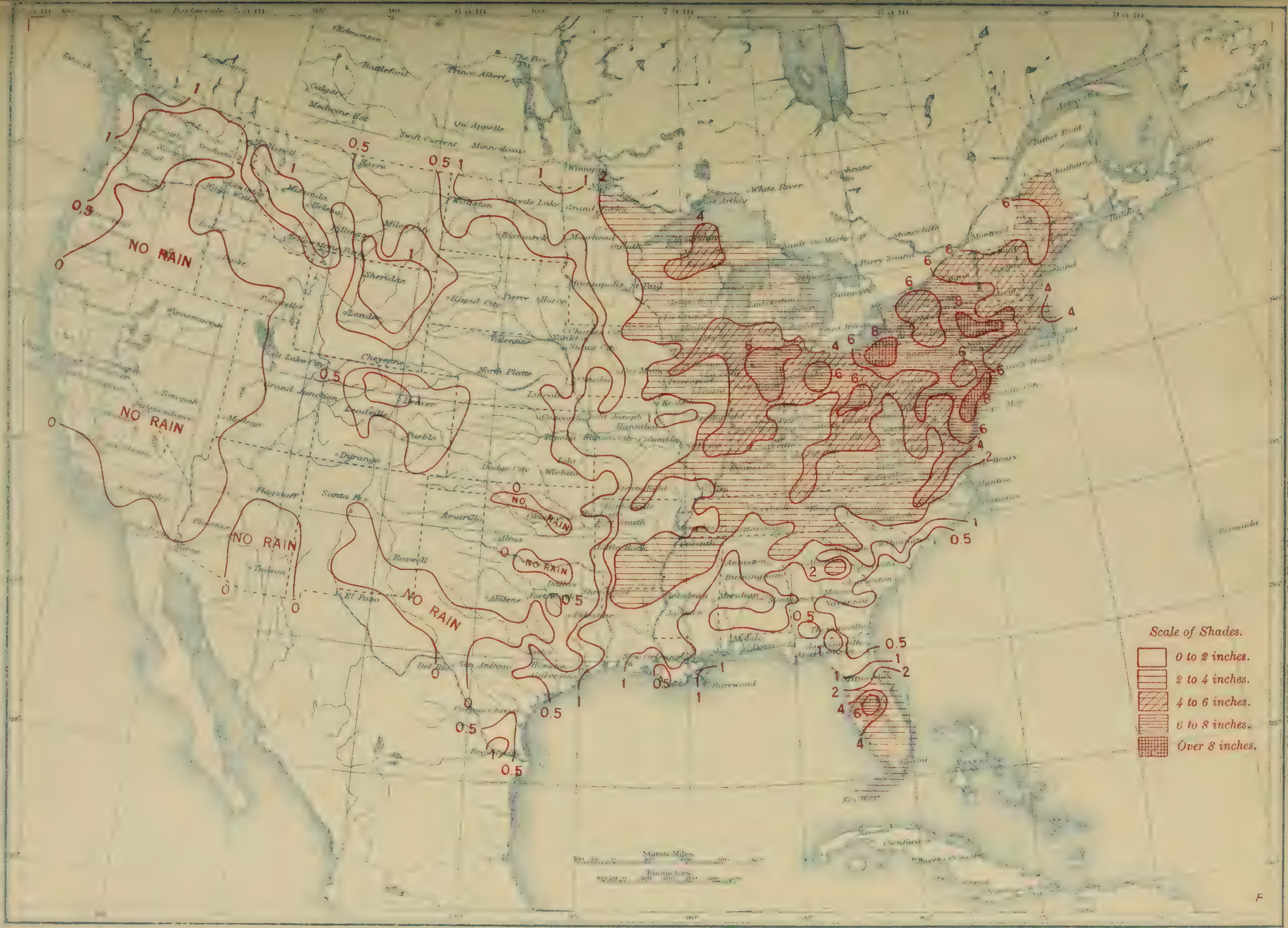
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.	Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	*Cloudy.			Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	61.4	91	30	5.96	8				n	1903	62.0	93	25	2.63	5	18	6	7	n.
888	59.3	88	31	4.18	7				sw.	1904	62.4	98	26	1.10	3	23	5	3	ne.
1889	60.8	88	27	1.65	3				n.	1905	61.2	93	29	1.97	6	15	6	10	ne.
890	63.0	90	22	4.06						1906	61.9	90	24	3.69	7	14	6	11	ne.
891	60.2	92	28	1.63					nw.	1907	61.2	91	28	0.73	3	19	7	5	ne.
892	63.8	89	27	0.60					ne.	1908	62.0	89	35	4.22	6	19	6	6	ne.
893	64.4	90	25	4.92	5	18	7	6	ne.	1909	61.2	96	27	2.43	5	23	5	3	ne.
894	64.2	98	33	4.95	5	20	6	5	ne.	1910	66.5	100	22	4.39	6	20	7	4	ne.
895	61.3	95	28	1.15	3	20	7	4	ne.	1911	67.5	99	37	5.89	8	12	9	10	ne.
896	61.3	91	28	1.41	4	15	8	8	ne.	1912	65.0	94	32	2.21	5	18	4	9	ne.
897	65.8	96	35	3.23	5	14	8	9	ne.	1913	62.5	95	28	3.56	6	19	6	6	ne.
898	62.9	90	28	3.82	9	14	8	9	ne.	1914	64.7	92	26	3.44	8	13	7	11	ne.
899	64.2	91	34	5.09	6	14	7	10	ne.	1915	67.0	93	27	4.95	8	18	7	6	ne.
900	67.6	95	33	3.65	9	13	7	11	ne.	1916	64.0	92	31	2.54	5	16	7	8	ne.
901	62.4	92	29	0.89	3	22	6	3	ne.	1917	59.3	90	22	1.50	4	23	5	3	sw.
902	63.2	95	30	4.40	7	19	5	7	ne.										
										Period	63.1	100	22	3.12	6	18	6	7	ne.

Daily Temperatures for October, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	73	73	76	82	87	73	74	79	65	60	72	78	66	68	77	83	84	81	87	69	61	68	74	58	67	78	83	85	85	60	62	73.8
	Minimum	48	51	50	53	57	62	48	52	54	47	42	50	41	44	46	51	56	62	67	51	48	37	38	35	32	42	51	53	63	55	33	49.0
Beaufort	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Blackville §	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	45	46	46	51	57	56	43	46	53	44	40	46	36	36	39	36	52	54	56	64	51	43	33	37	32	31	40	48	48	56	53	45.4
Bowman	Maximum	72	75	80	82	85	80	77	80	65	66	75	78	70	70	81	86	85	86	84	68	60	70	75	58	70	80	83	86	85	75	75	76.2
	Minimum	44	46	48	50	60	55	42	48	45	43	35	46	40	36	44	47	48	61	62	55	43	32	35	31	27	38	45	56	55	40	27	44.6
Centenary	Maximum	72	74	75	84	87	76	74	81	69	61	75	78	78	67	79	87	84	84	85	72	62	68	77	67	68	76	83	81	84	74	63	75.6
	Minimum	46	47	44	52	62	57	45	52	47	45	39	46	42	37	44	46	50	62	60	52	42	36	39	36	30	37	49	59	67	48	32	46.8
Charleston	Maximum	71	72	72	82	84	74	73	79	68	59	69	75	65	69	75	78	77	78	81	71	60	66	71	56	61	77	74	77	77	74	61	71.8
	Minimum	56	57	58	61	67	59	55	61	51	48	48	60	53	53	58	60	62	67	70	56	50	44	52	39	43	57	61	62	65	49	41	55.6
Cheraw §§	Maximum	69	72	74	81	84	68	76	74	50	64	71	72	62	68	77	84	84	83	80	62	57	67	72	57	66	74	80	80	76	64	56	71.1
	Minimum	44	48	46	50	61	56	42	48	50	44	44	54	39	36	42	47	52	62	68	50	38	34	38	36	31	44	53	60	61	64	30	47.5
Conway §§	Maximum	72	74	75	82	86	74	72	80	56	60	72	78	67	70	78	85	83	82	82	63	60	68	76	58	67	74	80	82	82	75	62	73.4
	Minimum	48	49	48	53	62	60	47	54	56	46	43	48	44	41	49	49	50	58	61	57	42	39	43	37	33	39	49	56	60	63	32	48.9
Darlington §§	Maximum	74	75	77	81	85	73	76	79	53	65	71	76	68	66	77	87	86	86	82	63	62	70	75	60	68	78	84	84	85	64	60	73.9
	Minimum	46	46	45	53	62	55	43	49	51	44	43	50	38	36	39	44	48	59	64	52	38	35	37	35	31	37	51	54	53	62	30	46.1
Ferguson §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Florence 1 §§	Maximum	72	76	78	84	87	72	78	88	57	65	73	78	68	65	81	88	85	86	84	65	56	71	78	61	70	78	83	87	84	70	61	75.2
	Minimum	47	47	47	49	55	55	45	50	51	45	45	44	40	40	42	43	52	54	63	51	39	38	39	35	33	36	46	54	62	63	31	46.6
Floyd Dale	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Georgetown	Maximum	81	76	77	83	87	83	75	82	64	60	75	78	74	70	81	85	82	86	84	80	63	70	80	76	68	79	85	84	78	70	62	76.7
	Minimum	48	49	49	52	53	62	47	62	55	47	45	50	46	42	53	52	52	64	65	57	45	39	43	36	33	42	56	50	43	25	34	48.6
Kingstree §§	Maximum	72	75	76	82	88	72	74	79	61	61	75	78	67	72	78	84	84	84	81	62	62	69	77	57	67	78	82	83	85	72	63	74.3
	Minimum	47	47	45	47	55	56	45	50	52	46	41	43	42	39	48	47	50	62	64	57	44	37	39	35	31	36	50	51	65	65	32	47.4
Oaks	Maximum	73	74	72	76	85	76	73	81	66	60	75	80	69	71	80	86	86	86	86	71	....	....	79	68	75	80	86	86	88	75	69	[b] 77.0
	Minimum	49	49	48	51	60	60	46	54	51	47	41	46	44	41	41	49	59	63	61	51	....	39	45	37	32	37	54	76	66	50	32	[a] 48.6
Orangeburg	Maximum	72	73	77	83	88	74	75	79	63	62	74	79	66	72	74	85	84	83	87	68	60	66	74	58	66	79	84	82	85	61	62	71.0
	Minimum	48	46	46	51	56	57	44	49	55	44	38	47	37	38	44	44	54	61	65	55	44	33	37	33	29	39	50	59	62	52	30	46.7
St. George §§	Maximum	73	75	77	83	88	74	77	79	64	63	76	81	68	70	80	87	86	85	85	67	61	69	77	59	71	80	85	86	87	71	67	75.8
	Minimum	50	49	50	55	59	58	49	53	57	47	42	49	45	45	50	53	55	65	63	58	47	39	45	37	33	41	50	61	65	67	35	50.7
St. Matthews §§	Maximum	73	72	77	83	87	71	73	80	59	64	75	78	66	69	81	85	83	81	83	65	60	68	76	61	67	78	82	84	83	63	63	73.9
	Minimum	48	47	47	54	62	57	45	51	56	44	44	50	39	40	43	49	55	61	65	55	43	35	40	32	32	41	49	58	65	57	32	48.3
Society Hill §§	Maximum	72	72	75	83	86	69	72	79	52	64	72	76	65	66	77	86	83	83	82	62	58	69	74	59	67	77	83	80	80	61	59	72.4
	Minimum	44	46	44	51	51	55	42	47	51	43	43	49	38	37	38	45	48	59	62	51	36	34	36	34	32	37	49	61	61	56	30	45.5
Summerville	Maximum	75	72	77	80	86	80	79	80	73	68	71	75	72	74	76	81	84	87	86	79	62	70	76	69	69	81	79	81	81	74	63	76.1
	Minimum	48	49	52	56	59	50	47	53	53	47	44	49	48	45	52	56	55	57	64	62	18	39	42	36	33	45	52	60	67	53	32	50.1
Walterboro	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	47	49	48	57	62	62	47	52	50	47	37	47	42	42	57	51	54	65	63	55	48	35	41	34	37	47	50	47	60	65	31	49.3
Yemassee §§	Maximum	75	77	78	83	86	78	78	81	70	56	75	79	70	71	78	84	85	84	84	70	65	71	75	59	69	79	83	86	82	70	66	75.7
	Minimum	45	44	46	54	57	60	46	48	50	46	35	47	40	38	51	50	55	65	64	50	48	32	40	33	27	42	48	49	60	67	27	47.2
Western Portion.																																	
Aiken	Maximum	72	71	75	81	84	71	72	78	74	65	71	73	69	60	77	83	83	81	83	75	63	68	71	68	67	75	82	83	84	78	60	74.1
	Minimum	46	50	51	55	63	57	48	54	47	45	41	53	39	46	45	55	59	65	69	47	43	41	43	32	36	47	58	57	57	43	32	49.3
Anderson	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	45	47	46	53	60	49	43	48	46	43	42	45	34	43	43	48	56	58	50	42	39	37	39	28	33	40	48	49	57	36	30	44.4
Batesburg §§	Maximum	70	71	74	80	83	72	71	77	60	65	70	70	64	64	76	80	82	81	82	65	57	67	70	58	66	75	80	82	82	54	69	71.5
	Minimum	44	49	47	50	62	55	53	52	50	44	46	48	35	38	41	44	49	61	65	52	40	40	42	33	34	36	50	55	63	50	33	47.1
Calhoun Falls	Maximum	74	75	78	82	86	74	75	79	52	67	73	70	68	69	81	87	89	80	79	65	62	71	70	61	68	74	81	83	80	54	59	73.1
	Minimum	43	44	43	44	52	47	43	45	46	40	41	44	32	35	38	38	48	53	61	43	39	34	38	30	31	32	40	45	50	42	28	41.6
Camden §§	Maximum	....	....	80	84	83	....	74	73	....	65	68	72	66	66	....	....	80	79	79	....	65	68	69	....	66	72	78	77	78	62	56	[h] [illegible]8.7
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clemson College	Maximum	70	68	68	75	79	77	66	69	68	60	65	65	60	63	70	74	76	76	72	72	62	61	63	60	62	69	70	71	73	67	53	67.9
	Minimum	46	45	45	52	69	47	43	46	50	47	39	45	34	38	39	50	49	54	66	43	39	36	38	33	33	31	44	44	55	38	29	44.1
Columbia	Maximum	71	69	75	81	84	70	71	77	64	64	70	73	63	63	78	84	82	80	84	64	58	67	71	58	64	75	81	82	82	73	60	72.2
	Minimum	50	51	51	55	66	55	47	52	47	46	47	50	43	44	46	50	57	62	64	49	43	38	43	35	34	46	61	59	65	43	47	49.5
Greenville, No. 1	Maximum	....	....	....	....	....	....	67	72	57	59	....	65	60	65	75	81	80	75	75	61	56	63	64	56	61	....	73	75	74	64	51	[h] 66.5
	Minimum	....	....	....	....	....	52	45	47	45	44	41	43	38	39	43	49	56	59	50	43	39	38	39	28	32	40	48	49	55	36	33	[f] 43.5
Greenville, No. 2 §§	Maximum	74	72	76	83	87	71	70	77	50	62	71	71	64	69	80	84	83	78	77	67	58	68	68	62	65	70	77	79	75	57	55	71.0
	Minimum	42	43	41	45	55	43	43	43	46	43	38	40	33	34	37	42	45	53	59	42	37	34	35	26	29	29	41	42	49	42	28	40.6
Greenwood §§	Maximum	69	68	71	79	83	67	69	74	48	60	66	68	60	64	75	80	80	78	79	62	57	65	69	56	64	71	79	78	79	52	55	68.5
	Minimum	47	46	46	47	55	51	42	44	48	41	42	46	37	37	41	47	53	54	62	46	38	38	39	30	31	34	40	50	64	43	30	44.2
Heath Spring	Maximum	74	73	72	79	79	75	78	76	65	60	69	65	65	66	75	84	84	79	79	80	70	68	69	59	64	70	78	78	76	67	52	71.9
	Minimum	47	46	46	52	52	45	43	45	43	38	46	35	35	38	39	52	57	55	55	56	38	36	42	31	33	41	54	54	56	47	30	44.7
Kershaw §§	Maximum	74	72	75	82	86	69	71	77	57	64	71	72	64	68	78	85	84	85	84	65	60	70	72	57	69	75	82	81	83	60	58	72.6
	Minimum	45	46	45	50	62	54	41	48	50	39	43	48	35	37	40	49	51	58	61	49	36	34	37	31	31	38	48	51	62	53	30	45.2
Landrum	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Liberty	Maximum	71	70	74	80	83	79	69	73	61	64	69	64	62	67	78	81	79	75	78	65	59	66	65	61	64	65	75	76	74	67	55	70.0
	Minimum	43	45	43	53	63	46	44	43	46	45	37	46	33	37	39	45	49	61	59	42	41	35	38	30	30	35	54	42	51	40	28	43.4
Little Mountain	Maximum	70	71	73	80	84	76	70	76	66	61	70	70	63	58	76	81	81	81	80	70	60	64	60	55	66	72	80	85	90	76	65	71.9
	Minimum	50	50	47	56	64	56	45	48	45	41	48	51	41	47	48	43	59	62	62	48	39	39	39	31	35	45	55	56	58	45	34	48.0
Meriwether	Maximum	74	77	78	83	87	73	72	81	71	72	73	72	67	62	72	83	83	84	86	68	60	70	72	68	67	77	85	84	....	....	....	[c] 75.0
	Minimum	46	46	45	57	56	53	43	45	46	41	45	51	35	39	38	38	52	....	....	43	38	34	35	32	29	39	50	50	50	40	....	[c] 41.9
Monetta	Maximum	71	72	76	81	85	77	74	78	72	65	71	72	65	65	74	86	84	81	84	71	58	70	71	65	67	75	81	84	83	76	60	74.0
	Minimum	46	46	48	52	62	57	46	52	46	45	43	50	40	43	43	51	57	61	66	51	41	38	42	32	35	42	58	56	63	43	32	48.0
Mountain Rest	Maximum	67	64	70	76	79	67	63	70	65	61	66	61	53	62	74	77	76	71	64	62	55	62	62	57	59	58	70	71	71	66	51	65.5
	Minimum	31	36	32	45	51	32	34	40	43	41	32	39	41	30	32	40	43	51	52	38	31	30	31	25	24	29	37	34	49	32	22	36.4
Newberry	Maximum	73	71	73	82	87	77	72	77	67	64	71	72	64	67	79	84	83	86	80	70	59	68	71	60	66	75	82	81	83	74	58	73.4
	Minimum	43	46	44	50	62	55	43	45	46	44	42	50	34	37	35	46	55	68	68	48	38	34	38	31	30	38	51	50	60	44	32	45.4
Saluda	Maximum	74	74	81	76	77	74	78	67	66	78	71	66	65	65	80	86	83	81	84	71	60	70	70	65	67	75	82	82	83	77	60	73.8
	Minimum	70	41	47	63	55	38	41	46	43	40	46	37	35	36	35	41	46	53	68	48	37	30	33	30	26	33	46	47	53	43	27	43.0
Santuck	Maximum	70	70	75	81	86	75	70	77	66	64	70	72	62	68	79	83	83	86	83	67	59	68	71	59	66	74	81	81	81	76	55	72.8
	Minimum	44	45	44	53	60	51	42	44	44	42	41	49	34	35	36	45	48	55	66	46	36	33	36	32	29	35	49	50	59	42	30	43.7
Spartanburg §§	Maximum	72	71	75	83	85	70	70	70	49	64	70	70	64	68	79	84	83	81	81	60	59	70	70	58	65	72	79	79	78	53	55	70.5
	Minimum	46	44	44	47	43	46	42	42	45	42	38	40	33	32	39	49	52	54	60	42	37	35	36	31	29	30	40	46	50	43	28	41.5
Trenton	Maximum	74	72	74	78	83	72	74	77	70	63	69	69	65	63	75	82	84	82	81	63	60	69	69	61	65	73	75	80	81	53	58	71.4
	Minimum	62	48	50	66	68	46	48	50	45	44	46	42	39	44	45	56	64	63	60	46	41	41	47	31	36	42	44	57	57	40	30	48.3
White Oak	Maximum	70	72	75	81	85	77	72	79	69	64	70	71	64	67	78	85	82	79	83	68	58	69	70	62	65	75	80	81	81	75	58	73.1
	Minimum	47	47	48	53	62	55	42	49	45	41	45	51	37	40	43	52	52	58	66	48	36	39	42	32	33	40	54	56	62	46	32	46.9
Winthrop College	Maximum	66	62	68	71	78	77	70	66	66	55	60	60	60	60	70	73	73	73	72	66	55	58	62	62	57	67	72	71	75	75	47	66.0
	Minimum	47	45	45	54	60	55	41	46	44	40	44	51	35	36	43	50	52	57	66	45	36	36	40	30	32	40	52	54	60	46	31	45.6

Reference letters, ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
NO RAIN
NO RAIN
NO RAIN
NO RAIN
NO RAIN
NO RAIN
0
0.5
1
2
4
6
8
Edmonton
Battleford
Prince Albert
The Pas
Calgary
Medicine Hat
Qu Appelle
Swift Current
Minnedosa
Winnipeg
White River
Port Arthur
Cochrane
Father Point
Chatham
Halifax
Montreal
Parry Sound
Sault Ste Marie
Havre
Williston
Devils Lake
Grand Forks
Bismarck
Moorhead
Duluth
Missoula
Helena
Billings
Miles City
Sheridan
Lander
Rapid City
Pierre
Huron
Minneapolis
St Paul
Valentine
North Platte
Salt Lake City
Cheyenne
Grand Junction
Denver
Leadville
Pueblo
Durango
Tonopah
Winnemucca
Dodge City
Wichita
Concordia
St Joseph
Kansas City
Topeka
Columbia
Hannibal
Lincoln
Santa Fe
Flagstaff
Amarillo
Roswell
Abilene
El Paso
Tucson
Phoenix
Yuma
Los Angeles
Del Rio
San Antonio
Galveston
Corpus Christi
Brownsville
Little Rock
Vicksburg
Meridian
Montgomery
Anniston
Birmingham
New Orleans
Pensacola
Jacksonville
Savannah
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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

SOUTH CAROLINA SECTION

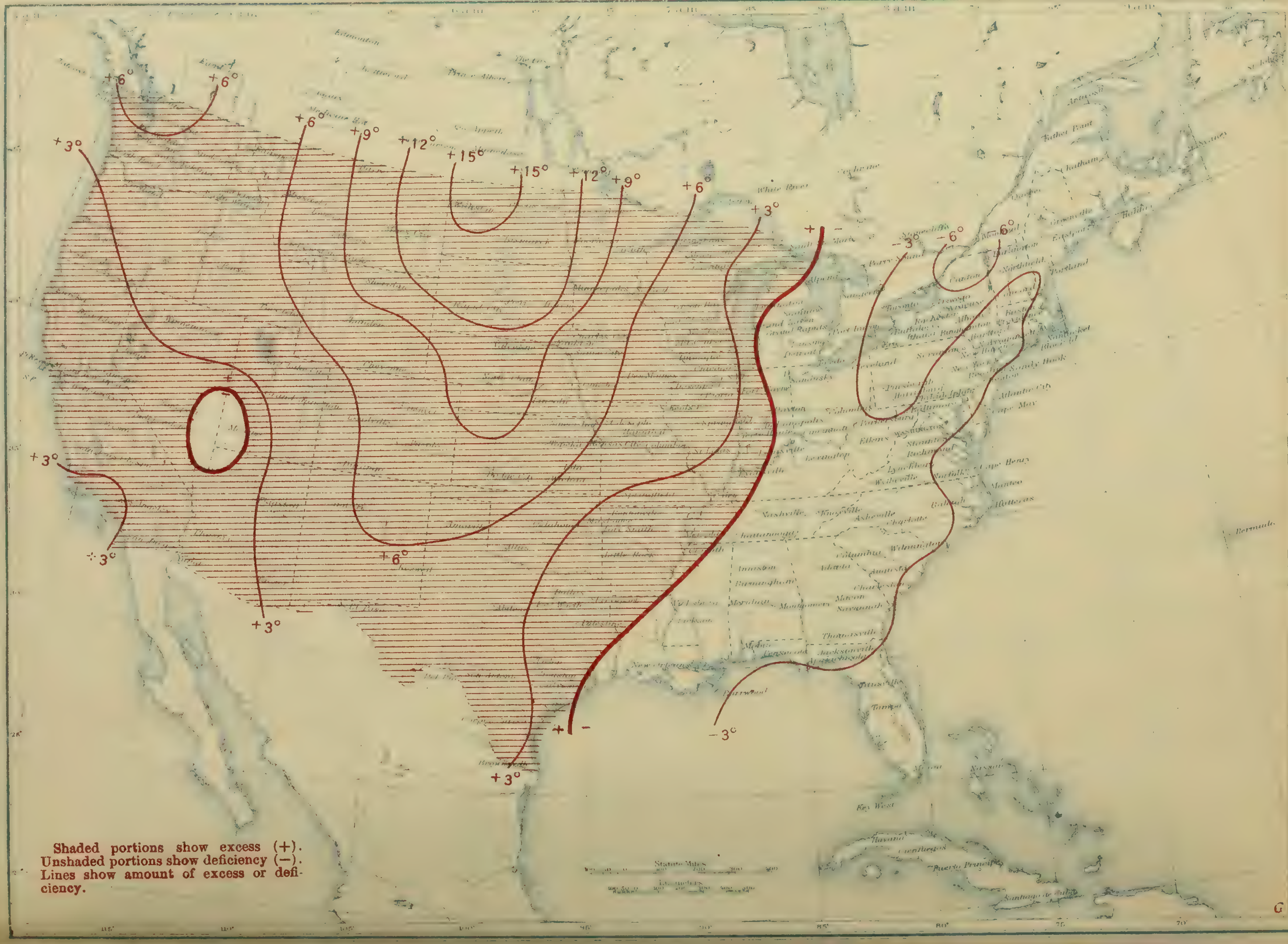
NOVEMBER, 1917

JAN [illegible]

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
January 14, 1918

Departure of the Mean Temperature from the Normal, November, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN. Meteorologist.

Vol. XX. Columbia, S. C., November, 1917. No. 11.

GENERAL SUMMARY.

The month was well down in the group of cold and dry Novembers; in fact, but one previous November averaged colder, and but one has had less rainfall.

Wheat, oat, and rye planting progressed favorably, but the continued dry weather, with low temperatures at intervals, had resulted in rather irregular germination; however, many fields had come to good stands with the rains at the close of the month; planting continued, with indications for considerably increased acreages. Cotton picking continued throughout the month, and the work was about finished in the extreme lower counties; much of the crop remained unpicked at the close of the month, and there was considerable delay due to indifferent labor. Corn gathering proceeded with practically no interruption, and fall Irish and sweet potatoes were dug, with good results. Turnips, cabbage, and other hardy winter truck were in good condition at the close of the month.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 30.16 inches. The highest pressure in the region covered by reports was 30.71 inches at Asheville, N. C., on the 26th, and in the Section proper, 30.66 inches at Columbia on the 27th; lowest pressure, 29.40 inches at Charlotte, N. C., on the 22d, and in the Section proper, 29.41 inches at Greenville on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 43 stations, was 50.4°, or 3.4° below the established normal. The highest temperature was 83° at St. Matthews, Calhoun County, on the 7th. The warmest periods of the month were between the 7th and 12th and on the 18th and 19th. The lowest temperature was 16° at Mountain Rest, Oconee County, on the 25th and 26th. The coldest periods of the month were between the 1st and 3d and 24th and 26th.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 78%; 8 p.m. 63%. The greatest percentages occurred over the Savannah watershed and southern coast district, and the lowest, over the north-central interior.

PRECIPITATION.

The average for the Section, 55 stations reporting, was 0.82 inch, or 1.44 inches below the established normal. Like the preceding month, the weather was remarkably dry, the three well-defined wet periods being of short duration. Excepting portions of Marlboro, Darlington, and Chesterfield Counties, the precipitation was decidedly below normal throughout the Section, a very large majority of the total monthly amounts being less than 1 inch and a considerable number below one-half inch. The greatest local monthly amount was 2.46 inches at Cheraw, Chesterfield County; least amount, 0.20 inch at Ferguson, Orangeburg County. The greatest amount during any 24 hours was 1.47 inches at Cheraw, Chesterfield County, on the 13th-14th. The average number of rainy days was 20% below the normal.

Snow flurries occurred at Anderson, Anderson County, on the 2d, and at Liberty, Pickens County, on the 16th.

WIND.

The prevailing wind was from the northeast. The average hourly velocity, determined from 8 anemometer records, was 7.4 miles. The highest average velocity in the region covered by reports was 10.8 miles per hour at Savannah, Ga.; lowest average, 4.6 miles per hour at Augusta, Ga. The highest velocity for any five-minute period was 35 miles per hour from the northwest at Charlotte, N. C., on the 22d, and in the Section proper, 26 miles per hour from the northeast at Charleston on the 4th and from the west at Greenville on the 21st.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 226.3 hours, or 72% of the possible amount. The average number of clear days was 21; partly cloudy 4, and cloudy, 5, as against normals of 17, 6, and 7 days, respectively.

RIVER CONDITIONS.

On account of persistent dry weather, the rivers of the Section were low throughout the month.

MISCELLANEOUS PHENOMENA. (dates).

Fog, dense.—Centenary, 15, 30; Charleston, 30; Cheraw, 15; Columbia, 29, 30; Greenville No. 1, 21; Greenville No. 2, 21; Kingstree, 15; Liberty, 20, 30; Monetta, 20; Newberry, 8; Oaks, 20; Rimini, 1, 8, 9, 12, 14; St. George, 8, 12; St. Matthews, 12; Yemassee, 12, 13, 30.

Frosts, killing (first of autumn not previously reported).—Charleston, 25; Columbia, 3; Georgetown, 3; St. George, 25

Hail.—Columbia, 13; Newberry, 12.

Halo, lunar.—Greenville No. 1, 27.

MISCELLANEOUS DATA FOR NOVEMBER, 1917.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean	Highest.	Lowest.	Total	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C.	30.20	44.2	66	19	0.27	0.13	7.6	nw.	84	60	60
Augusta, Ga.	30.16	51.0	76	27	1.22	0.14	4.6	nw.	85	72	77
Charleston, S. C.	30.15	54.4	75	32	0.31	0.19	8.8	n.	77	72	81
Charlotte, N. C.	30.16	49.2	73	24	0.75	0.42	9.0	ne.	72	54	54
Columbia, S. C.	30.17	50.0	75	26	0.92	0.52	5.6	ne.	82	52	71
Greenville, S. C.	30.12	50.0	73	26	0.59	0.39	7.1	ne.	68	59	69
Savannah, Ga.	30.16	56.0	75	30	0.75	0.49	10.8	n.	79	68	82
Wilmington, N. C.	30.15	51.0	76	27	0.66	0.32	6.0	n.	75	66	80
Means and extremes	30.16	50.7	76	19	0.68	0.52	7.4	n.	78	63	72

Climatological Data for November, 1917.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	28	52.6	−2.7	76	7	25	† 5	39	0.68	−0.98	0.45	0	4	11	13	6	s.	R. B. Vance.
Beaufort	Beaufort	21	30																	Miss Lillian H. Rice.
Blackville	Barnwell	296	28	52.4	−3.1	80	9	21	25	45	0.75	−1.30	0.30	0	5	24	1	5		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	16	51.3	−2.9	78	19	17	†25	51	0.85	−1.12	0.41	0	3	22	3	5	w.	B. O. Evans.
Centenary	Marion	43	2	53.0		77	†11	18	25	51	0.87		0.47	0	3	22	3	5	nw.	D. L. Carmichael.
Charleston	Charleston	48	46	54.4	3.7	75	19	32	25	27	0.31	−2.56	0.19	0	4	23	3	4	n	U. S. Weather Bureau.
Cheraw	Chesterfield	144	27	49.0	−2.9	73	† 7	25	†25	35	2.46	+0.27	1.47	0	6					J. H. Powe.
Conway	Horry	25	31	50.2	−3.9	77	12	21	25	47	0.68	1.60	0.37	0	3					Paul Quattlebaum.
Darlington ††	Darlington	175	22	50.4	−1.7	78	7	20	25	41	2.27	−0.01	1.63	0	4	22	0	8		D. C. McCall.
Edisto ‡‡	Bamberg	143	29								0.56	−1.75	0.30	0	4					Nathan Jenkins.
Effingham	Florence	106	24								0.88	−1.36	0.45	0	2					H. B. McCall.
Ferguson	Orangeburg	63	31	^{d}52.2	2.9	^{d}82	7	^{d}31	†26	47	0.20	−2.18	0.11	0	4	21	4	5	ne.	Joseph P. Simons.
Florence 1	Florence	136	28	^{a}50.9	−3.2	^{a}77	17	22	25	^{a}45	0.90	−1.21	0.38	0	3	23	1	6	ne.	H. K. Gilbert.
Florence 2	do	136	2								1.30	−0.81	0.70	0	3	26	2	2	ne.	Pee Dee Experiment Sta.
Floyd Dale	Dillon	168																		H. B. Floyd.
Georgetown	Georgetown	12	22	51.9	−4.1	80	11	21	26	47	0.35	−2.08	0.35	0	1	24	4	2		A. P. Hazard.
Kingstree	Williamsburg	54	25	49.8	−5.0	76	†11	21	†25	42	0.28	−1.90	0.20	0	2	22	1	7	n.	A. O. Matthews.
Oaks	Georgetown		2	^{c}53.6		^{c}82	†11	^{c}22	25	^{c}48	0.70		0.57	0	3	22	1	4	s.	O. M. Mitchell.
Orangeburg	Orangeburg	264	1	49.5		77	19	21	†25	42	0.61		0.44	0	2	21	1	8		U. S. Fisheries Station.
Pinopolis **	Berkeley	54	67																	Miss E. P. Ravenel.
Rimini	Clarendon	97	3								0.77		0.44	0	4					William B. Wolfe.
St. George	Dorchester	109	28	53.7	−1.5	77	† 7	26	26	40	0.42	−1.53	0.20	0	4	23	1	6	ne.	R. S. Weeks.
St. Matthews	Calhoun	62	21	52.0	−2.5	83	7	22	25	43	1.15	−0.99	0.83	0	4	24	3	3	se.	J. S. Wannamaker.
Society Hill	Darlington	192	25	49.4	2.8	77	11	21	25	46	2.08	−0.19	1.32	0	6	24	1	5	ne.	A. H. Rogers.
Summerville	Dorchester	75	19	51.8	−3.6	75	19	22	†25	42	0.30	−2.05	0.16	0	4	15	15	0	sw.	Miss E. H. Gadsden
Walterboro	Colleton	69	14					^{l}19	26		0.40	−1.49	0.40	0	1					J. N. Frank.
Whitehall (near)	do	4																		Special Rice Exp. Station.
Yemassee	Hampton	24	21	50.8	−4.3	78	8	19	26	47	0.44	−1.62	0.22	0	2	25	1	4	ne.	J. G. Hutson
Division means and extremes				51.4	−3.3	83	7	17	†25	51	0.84	1.31	1.47	0	3	22	4	4	ne.	
Western Portion.																				
Aiken	Aiken	527	56	53.2	−1.4	75	† 7	23	25	38	0.97	−1.77	0.33	0	3	20	2	8	nw	Frank B. McCoy.
Anderson	Anderson	764	21	^{j}49.9	−2.9	^{m}74	11	22	25	^{j}37	0.52	−2.32	0.19	T.	5	21	0	9	w.	H. H. Russell.
Batesburg	Lexington	656	28	50.2	−3.5	^{j}74	† 7	21	25	45	0.51	−2.05	0.21	0	4	22	1	7	ne.	E. J. Hite.
Blairs	Fairfield	293	11								1.12	−1.22	0.71	0	6					J. N. Owens.
Calhoun Falls	Abbeville	508	24	49.3		78	7	20	†25	46	0.41	−1.90	0.31	0	4	22	3	5	w.	L. M. Parker.
Camden	Kershaw	222	57	^{m}51.3	−0.1	72	7	^{m}26	26	^{m}29	0.76	−1.60	0.27	0	4	23	0	7	ne.	W. C. Brown.
Catawba	York	562	13								0.94	−1.50	0.41	0	6					James C. Faris.
Chappells	Newberry	402	13								1.09	−1.30	0.72	0	5					J. J. Murrah.
Clemson College	Oconee	850	25	49.0	−1.4	70	8	19	26	38	1.08	−1.68	0.77	0	3	22	5	3	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	30	51.5	2.3	75	7	26	26	33	0.92	−1.31	0.52	0	5	20	5	6	ne.	U. S. Weather Bureau
Edgefield	Edgefield		3								0.80		0.55	0	2					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	4								0.26	−2.31	0.15	0	2					Harry A. Parshall.
Greenville, No. 1	Greenville	1039	24	50.0	+0.3	73	7	26	25	29	0.59	−2.59	0.39	0	3	17	4	9	ne.	U. S. Weather Bureau.
Greenville, No. 2	Greenville	989	24	48.9	−0.8	78	7	21	26	46	0.58	−2.60	0.37	0	4	18	4	8	ne.	J. H. Woodside.
Greenwood	Greenwood	671	28	50.2	−1.8	73	7	22	25	33	0.73	−2.02	0.28	0	4	23	0	7	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	16	49.6	−1.3	74	† 9	21	†25	42	0.87	−1.70	0.54	0	4	13	13	4	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	1	50.0		75	† 7	20	25	38	0.99		0.70	0	4	25	0	5	e.	John W. Hamel.
Landrum	Spartanburg	1063	2	^{a}51.1		^{a}77	7	^{a}23	24	^{a}46	1.02		0.38	0	6	20	2	8		R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	18	49.0	−1.7	74	7	19	25	43	0.94	−1.85	0.66	T	4	20	5	5	sw.	John T. Boggs.
Little Mountain	Newberry	711	24	50.9	−2.9	73	7	25	25	38	0.89	−1.62	0.57	0	4	23	1	6	w.	J. M. Sease, M. D.
Meriwether	McCormick	450	14	^{k}48.6	−4.1	^{k}77	7	^{k}21	25	^{k}51	1.11	−1.57	0.89	0	2					William S. Middleton.
Monetta	Saluda	400	10	51.8	−2.6	76	7	23	25	44	0.57	−1.60	0.24	0	4	19	8	3	n.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	2	^{a}45.3		^{a}73	7	^{a}16	†25	^{a}45	1.11		0.48	0	4	25	0	5		James L. Brown.
Newberry	Newberry	502	14	50.0	−1.8	76	† 7	20	25	49	0.63	−2.34	0.30	0	4	16	8	6	n.	Warren G. Peterson.
Pelzer	Anderson	850	13								0.40	−2.15	0.22	0	3					Joshua Y. Jones.
Saluda	Saluda	536	16	48.3	−4.7	75	19	17	25	48	1.03	−1.50	0.37	0	5	22	5	3	w.	Mrs. F. V. J. Maxwell
Santuck	Union	512	24	49.0	−2.1	74	7	21	26	45	0.48	−2.33	0.32	0	3	21	5	4	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	34	48.2	−2.4	75	7	24	25	43	0.43	−2.43	0.22	0	4					F. P. Robinson.
Trenton	Edgefield	620	28																	Mrs. S. E. Long.
Walhalla	Oconee	1061	14								0.56	−1.85	0.29	0	3	18	1	11	sw.	H. W. Brandt.
White Oak	Fairfield	548	1	50.8	−2.0	76	19	23	25	36	1.10	−1.15	0.70	0	2	22	2	5	n.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	46.0	−5.7	65	7	20	25	30	1.46	−0.90	0.90	0	2	19	7	4	n.	W. P. Goodman.
Division means and extremes				49.7	−2.4	78	7	16	†25	51	0.80	−1.80	0.90	T	4	20	4	6	ne.	
Section means and extremes				50.4	−3.5	83	7	16	†25	51	0.82	−1.44	1.47	T.	4	21	4	5	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for November, 1917.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ‡	Savannah													.05	.45															.03	.15		0.68
Beaufort	Coast																																...
Blackville ''	Edisto													.10	.20						.15									.20	.10		0.75
Bowman	do													.41	T.						.18									.26			0.85
Centenary	Pee Dee													.09	.47						T.				T.					.31	T.		0.87
Charleston ***	Coast													.06							.05		T.							.01	.19		0.31
Cheraw ||	Pee Dee													.02	1.47	.24					T.	.03		.01	T.						.69		2.46
Conway	Waccamaw														.27	.04															.37		0.68
Darlington ||	Pee Dee		.06												1.63	.13						T.									.45		2.27
Edisto ‡	Edisto													.05	.07						.30										.14		0.56
Effingham ||	Lynches													.05	.38																.45		0.88
Ferguson ''||	Santee												T.	.01	T.						.02									.06	.11		0.20
Florence 1 ||	Pee Dee														.38	.20															.32		0.90
Florence 2	do													T.	.70															.50	.10		1.30
Floyd Dale	Little Pee Dee																																...
Georgetown	Coast													T																.35			0.35
Kingstree ||''	Black														.20																.08		0.28
Oaks	do														.57						T.				T.					.11	.02		0.70
Orangeburg	Edisto													T.	.44						.17									T.	T.		0.61
Pinopolis	Cooper																																...
Rimini ‡	Santee													.08	.36						.18										.15		0.77
St. George ||	Edisto														.12						.20	.03									.07		0.42
St. Matthews ||	Santee														.83						.10										.22		1.15
Society Hill ''||	do													.02	1.32	.43									.01						.30		2.08
Summerville	Ashley													T.	.06						.16	.03								.05			0.30
Walterboro	Ashepoo																													.40			0.40
Whitehall (near)	Combahee																																...
Yemassee ||	do														.22						.22										T		0.44
Western Portion.																																	
Aiken	Edisto													.31							.33									.33			0.97
Anderson	Savannah		T										.19		.07	.05					.14									.07			0.52
Batesburg	Edisto													.03							.21	T.								.06	.21		0.51
Blairs	Broad													.06	.71	.04					.05									.04	.22		1.12
Calhoun Falls ''||	Savannah													.05	.02						.31									.03			0.41
Camden ||	Wateree													.02	.43						.04										.27		0.76
Catawba ''	Catawba													.12	.27	.14						.06								.10	.25		0.94
Chappells ‡''	Saluda													.10	.72						.10									.08	.04		1.04
Clemson College	Savannah												.77								.16										.15		1.08
Columbia ***	Congaree												T	.52	.02						.08									.21	.09		0.92
Edgefield ||	Savannah														.55						.25												0.80
Gaston Shoals ||	Broad													.11							T.	T		T.						T.	.15		0.26
Greenville No. 1 ***	Saluda												.39	T.							.07									.13	T.		0.59
Greenville No. 2 |||	do													.37							.05	.04								T	.12		0.58
Greenwood ||	do													.15	.28						.15										.15		0.73
Heath Spring	Wateree														.54						.05									.20	.08		0.87
Kershaw	Lynches													.02	.70															.10	.17		0.99
Landrum	Broad												.21	.38	.05						.12									.24	.02		1.02
Liberty	Savannah											.60			.04		T				.10	T.								.20	T.		0.94
Little Mountain	Saluda													.57	T.						.06									.22	.04		0.89
Meriwether	Savannah												T.	.22																.89	T.		1.11
Monetta	Edisto													.09					.24											.23	.01		0.57
Mountain Rest	Savannah												.48								.14									.47	.02		1.11
Newberry	Saluda													.25	T						.03									.30	.05		0.63
Pelzer ''	do													.22							.12									.06	T.		0.40
Saluda	do													.30	.05						.26									.37	.05		1.03
Santuck	Broad													T.	.14						.02		T.							.32	T.		0.48
Spartanburg |||	do														.22								.08		T.					.10	.03		0.43
Trenton	Edisto																																...
Walhalla	Savannah		T										.29		T.					T	.07									.20			0.56
White Oak	Broad													.70																.40			1.10
Winthrop College	Catawba													.90																.56			1.46

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. '' Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	52.3	78	18	0.82	4				nw.
1888	52.7	82	22	2.77	8				
1889	54.8	84	18	3.84	6				w.
1890	58.4			0.64					
1891	51.9	82	15	2.48					ne.
1892	53.9	86	14	1.96					sw.
1893	52.9	87	15	2.11	5	14	8	8	ne.
1894	52.3	83	17	2.02	4	18	7	5	nw.
1895	54.4	88	21	2.35	6	12	8	10	ne.
1896	59.1	90	26	4.00	7	12	8	10	ne.
1897	55.3	88	23	1.99	5	16	7	7	sw.
1898	51.0	82	14	4.72	10	14	6	10	ne.
1899	55.0	86	22	2.41	5	16	6	8	ne.
1900	55.6	92	22	3.32	6	13	8	9	sw.
1901	48.2	85	17	1.01	5	21	4	5	n.
1902	59.2	89	22	3.80	6	13	7	10	ne.
1903	50.9	86	10	1.40	5	14	8	8	n
1904	51.6	80	22	2.78	6	17	6	7	w
1905	54.5	90	21	1.31	3	17	6	7	sw
1906	53.8	89	20	0.96	3	18	8	4	ne
1907	52.2	87	24	4.13	10	12	7	11	ne
1908	56.6	88	24	1.60	3	16	10	4	sw
1909	58.3	88	20	0.97	3	18	9	3	sw
1910	51.1	85	24	1.04	4	20	6	4	w.
1911	51.2	83	19	3.30	8	13	10	7	ne
1912	52.1	84	17	2.71	4	22	4	4	w
1913	53.5	89	18	1.79	2	21	5	4	w
1914	52.4	86	17	3.33	6	19	4	7	w
1915	56.3	88	21	2.36	4	22	4	4	w
1916	54.5	88	17	1.21	4	18	5	7	ne.
1917	50.4	83	16	0.82	4	21	4	5	ne
Period	53.8	92	10	2.26	5	17	6	7	ne

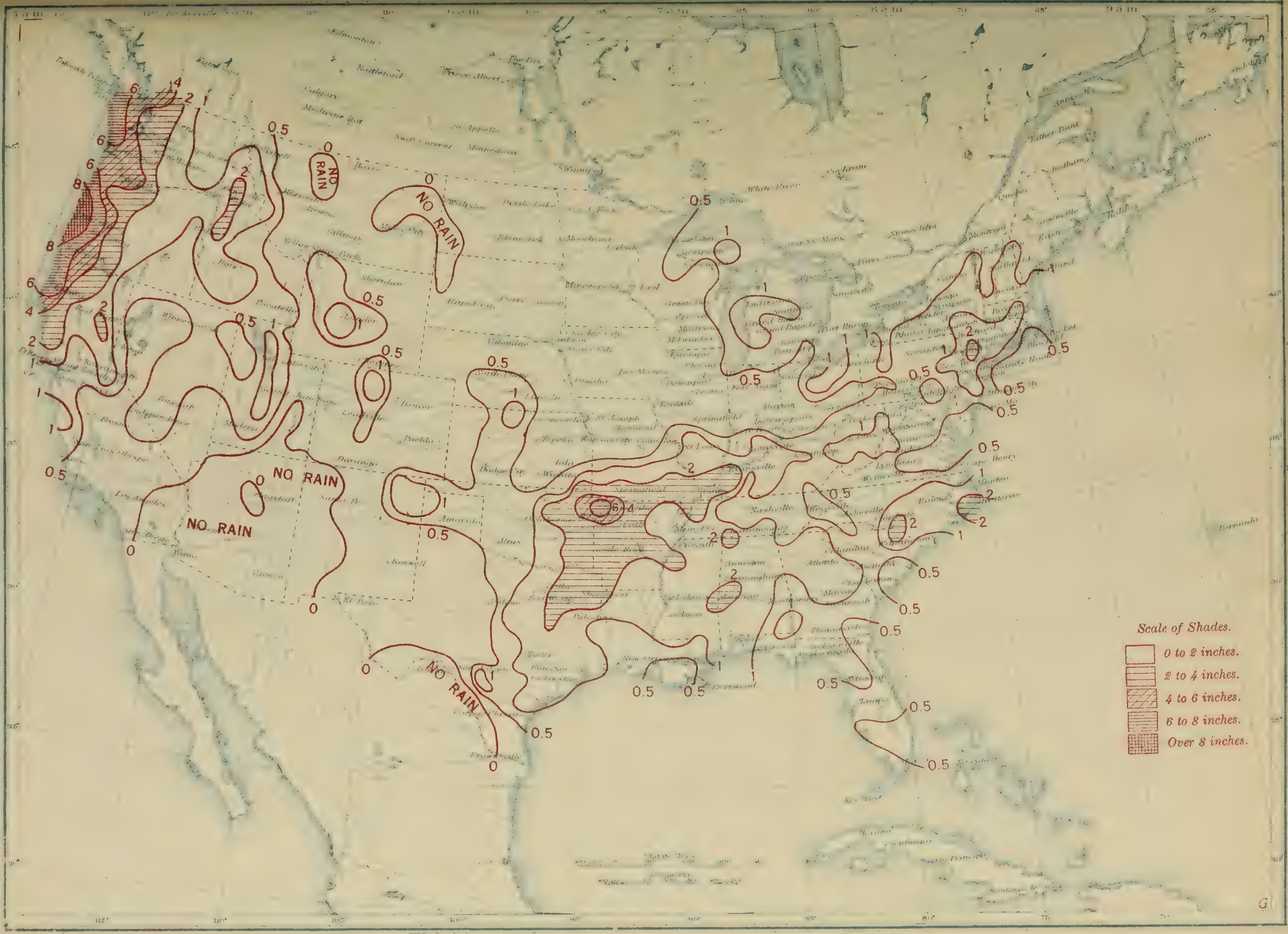
Daily Temperatures for November, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Eastern Portion.																																	
Allendale §§	Maximum	55	63	60	63	61	69	76	72	74	73	75	73	61	68	66	65	67	72	75	68	69	70	56	46	50	54	58	71	65	62	....	65.1
	Minimum	35	37	35	35	36	34	37	40	39	42	38	39	46	52	46	45	49	36	45	47	49	49	39	37	25	25	28	34	51	47	...	39.9
Beaufort	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Blackville §	Maximum	64	65	66	65	73	76	78	77	80	77	75	74	70	69	68	65	70	76	77	63	70	69	58	49	53	55	58	61	67	67	....	67.8
	Minimum	34	33	33	30	31	30	38	36	35	37	37	43	52	48	43	40	38	34	42	42	47	49	55	36	21	22	23	27	30	40	...	36.9
Bowman	Maximum	70	63	62	60	61	71	76	70	75	76	76	77	70	67	66	65	67	73	78	70	70	71	67	55	45	50	60	68	65	66	...	69.7
	Minimum	28	27	30	30	30	25	30	33	30	32	33	37	42	43	38	35	27	28	35	45	41	46	31	36	17	17	20	31	46	45	....	32.9
Centenary	Maximum	67	60	59	59	62	70	76	65	72	76	77	77	70	59	67	60	65	76	77	64	70	74	64	52	49	52	54	65	60	60	....	65.3
	Minimum	30	35	28	31	30	25	33	39	30	35	36	39	50	48	37	36	32	32	40	47	50	47	34	36	18	20	23	28	41	49	....	35.3
Charleston	Maximum	63	61	57	60	62	64	73	63	68	71	70	74	67	56	64	61	60	68	75	70	68	67	60	47	48	51	54	70	68	56	....	63.2
	Minimum	45	44	40	43	39	42	46	51	46	50	49	52	54	50	46	45	44	44	51	52	51	53	45	35	32	34	38	44	51	51	...	45.7
Cheraw §§	Maximum	60	55	57	58	60	68	73	64	70	72	73	70	60	50	65	58	63	70	66	48	66	65	51	41	45	49	49	60	50	48	...	59.5
	Minimum	29	38	30	36	32	32	40	40	39	42	41	45	50	46	40	44	36	35	44	44	46	48	33	36	25	25	31	37	43	44	....	38.4
Conway §§	Maximum	65	60	58	60	63	68	76	65	69	75	76	77	70	54	66	60	63	70	75	65	69	74	61	47	47	52	55	66	60	54	....	64.0
	Minimum	33	37	32	34	31	28	29	39	31	36	36	39	49	51	39	38	34	32	39	42	49	48	39	35	21	22	24	31	42	50	....	36.3
Darlington §§	Maximum	65	62	62	62	65	72	78	69	71	76	77	75	66	55	74	63	67	71	75	57	70	69	59	48	49	53	55	68	60	52	....	64.8
	Minimum	41	34	31	34	29	25	34	38	31	35	37	39	49	46	38	39	33	34	40	45	47	49	34	35	20	21	25	31	39	46	...	36.0
Ferguson §§	Maximum	...	...	...	61	61	69	82	73	71	72	75	74	62	55	65	63	69	72	75	68	69	72	[illegible]	53	48	56	57	67	62	...	...	[d] 63.5
	Minimum	...	...	...	...	38	35	35	45	38	38	38	38	45	50	48	46	33	33	35	41	54	52	43	41	32	31	31	45	51	51	....	[d] 41.0
Florence 1 §§	Maximum	66	62	60	62	64	73	76	68	70	74	69	67	65	54	69	60	77	74	77	57	71	71	60	45	54	62	62	64	70	...	...	[a] 65.6
	Minimum	32	35	34	35	32	28	31	41	31	38	40	38	40	41	40	41	37	40	42	43	47	49	39	36	22	23	28	32	34	56	...	36.2
Floyd Dale	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Georgetown	Maximum	69	67	65	62	63	61	70	70	78	72	80	76	67	78	76	65	64	75	78	70	72	73	68	50	50	54	76	62	70	65	....	67.7
	Minimum	33	37	32	33	33	32	32	33	31	37	37	40	52	42	39	40	35	33	42	42	50	52	40	37	22	21	25	28	25	47	...	36.1
Kingstree §§	Maximum	64	61	52	61	61	69	74	67	70	73	76	76	68	65	67	60	63	72	75	67	71	73	61	41	46	50	57	68	63	59	...	64.2
	Minimum	31	32	33	32	32	29	32	37	34	31	35	39	40	50	36	39	31	32	41	47	50	50	[illegible]	37	21	21	23	28	35	47	....	35.3
Oaks	Maximum	72	66	64	61	69	69	79	79	76	80	82	82	71	62	....	64	68	76	79	66	73	78	...	...	68	58	62	72	68	58	...	[c] 70.6
	Minimum	32	32	32	31	29	31	35	42	32	36	35	44	49	51	..	35	35	32	37	54	51			38	22	25	24	33	42	48	..	36.5
Orangeburg	Maximum	62	60	59	62	63	68	76	69	74	72	76	76	68	54	58	62	64	72	77	68	71	75	55	45	41	52	58	67	78	62	...	64.4
	Minimum	29	30	30	32	30	28	34	36	32	34	31	35	45	49	42	41	32	32	38	39	48	45	35	35	21	21	24	28	37	38	...	34.6
St. George §§	Maximum	64	63	58	62	62	71	77	72	75	74	77	76	65	53	64	63	66	75	77	71	71	73	60	48	49	53	60	71	66	64	..	66.1
	Minimum	34	36	37	38	35	37	37	44	37	42	40	47	54	50	45	45	44	36	41	57	52	50	41	40	28	26	29	30	[illegible]	[illegible]	...	41.3
St. Matthews §§	Maximum	64	60	61	61	70	82	83	68	74	75	75	74	64	54	65	62	65	72	71	57	69	70	60	49	49	52	64	68	67	61	....	65.7
	Minimum	34	34	31	31	29	40	40	41	36	39	40	41	49	43	44	43	35	36	43	46	48	49	37	38	22	24	26	30	48	48	...	38.2
Society Hill §§	Maximum	63	57	59	60	61	71	74	64	72	74	77	75	63	54	67	58	65	71	71	65	69	68	61	45	47	50	52	60	55	51	...	62.7
	Minimum	29	34	31	35	31	25	38	33	32	38	41	28	48	46	39	42	34	35	40	43	[illegible]	49	35	36	21	24	26	31	39	45	...	36.2
Summerville	Maximum	63	61	57	60	62	67	73	68	70	71	75	73	71	64	63	62	64	71	75	68	69	73	67	51	[illegible]	52	59	70	67	61	...	65.1
	Minimum	33	37	32	33	32	34	36	42	34	41	39	43	55	50	40	41	33	33	44	51	51	50	39	37	22	22	26	33	47	44	..	38.5
Walterboro	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Minimum	31	37	34	32	34	32	36	34	40	41	34	47			47	38	32	30	37	50	45	50	37	37	22	19	24	41	43	42	...	[b] 35.1
Yemassee §§	Maximum	66	65	62	65	65	68	78	76	77	75	77	76	[illegible]	55	66	67	68	74	77	69	72	77	58	40	57	[illegible]	60	73	67	65	..	67.3
	Minimum	28	29	31	29	32	31	31	34	34	41	34	42	51	49	40	41	32	30	33	40	47	38	30	33	20	19	23	29	30	43	...	34.3
Western Portion.																																	
Aiken	Maximum	60	57	56	61	61	68	75	73	72	74	74	76	60	61	60	65	60	71	75	73	68	67	64	47	48	52	57	[illegible]	67	61	...	61.7
	Minimum	36	38	35	41	35	37	47	47	45	49	46	48	52	49	43	42	41	42	46	49	41	48	36	34	[illegible]	27	33	39	52	48	...	41.7
Anderson	Maximum	62	50	64	66	66	...	...	...	...	...	74	61	...	65	...	73		77	...	68	68		51	49	51	55	56	60	[illegible]	54	...	61.6
	Minimum	33	38	29	38	35	35	39	46	41	42	42	45	47	47	40	42	37	39	46	42	42	[illegible]	[illegible]	26	22	[illegible]	30	35	47	41	....	38.2
Batesburg §§	Maximum	59	52	59	62	63	69	74	69	72	73	74	70	65	53	67	66	68	71	73	50	60	64	75	44	46	51	47	62	50	47	....	50.2
	Minimum	34	38	32	33	32	34	41	42	42	45	44	45	47	43	44	43	40	39	44	45	45	46	39	[illegible]	24	20	31	33	39	40	...	39.0
Calhoun Falls	Maximum	60	53	61	65	64	73	78	72	72	75	72	68	67	61	70	70	71	74	75	72	69	67	50	40	51	50	57	61	65	51	...	64.2
	Minimum	30	32	29	30	32	30	32	35	37	38	30	43	46	40	39	39	34	34	38	42	42	41	32	29	20	[illegible]	21	26	[illegible]	43	..	34.4
Camden §§	Maximum	57	55	56	58	58	64	72	66	67	68	69	68	65	60	78	63	64	67	70	65	67	67	54	48	45	49	50	60	61	58	...	60.7
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	60	45	45	57	47	40	45	[illegible]	52	30	[illegible]	29	20	31	36	[illegible]	47	....	[m] 41.9
Clemson College	Maximum	64	56	60	59	57	64	69	70	68	60	64	61	61	60	65	66	65	67	66	63	68	65	57	49	[illegible]	50	52	57	57	50	...	60.7
	Minimum	33	39	29	31	34	31	35	38	38	37	38	45	47	51	45	44	35	35	41	47	44	47	32	[illegible]	20	19	28	32	[illegible]	45	..	37.3
Columbia	Maximum	58	55	57	60	60	67	75	67	71	71	73	71	63	55	64	62	66	71	72	54	68	67	54	45	46	50	55	62	65	55	...	62.0
	Minimum	38	38	32	39	36	34	43	44	40	42	42	46	51	49	45	44	36	45	47	40	40	49	38	32	26	26	34	39	[illegible]	48	...	41.0
Greenville, No. 1	Maximum	53	47	56	59	59	68	73	65	70	71	67	57	60	57	66	65	67	68	67	49	64	62	45	43	46	48	50	59	54	46	...	58.6
	Minimum	34	38	37	43	39	39	39	48	40	42	40	50	50	48	50	42	40	42	46	42	41	44	35	29	26	27	36	40	43	41	...	41.4
Greenville, No. 2 §§	Maximum	59	53	61	65	62	73	78	69	74	75	70	56	64	60	70	68	70	72	71	50	70	68	47	[illegible]	52	[illegible]	55	63	[illegible]	40	...	62.7
	Minimum	29	30	29	29	32	31	[illegible]	37	37	37	36	40	46	48	43	42	37	37	41	[illegible]	43	[illegible]	31	26	[illegible]	21	26	31	37	28	..	35.1
Greenwood §§	Maximum	55	50	55	60	59	67	73	67	68	69	70	60	62	57	65	67	65	69	71	[illegible]	60	65	50	44	45	50	54	60	61	50	....	62.0
	Minimum	32	35	31	32	31	34	40	41	41	41	42	44	44	46	45	43	37	37	42	44	43	45	37	[illegible]	[illegible]	23	20	[illegible]	39	43	...	38.3
Heath Spring	Maximum	57	56	58	58	59	68	69	69	71	71	73	71	70	70	69	60	65	65	70	57	60	62	60	58	[illegible]	55	58	50	63	65	...	63.6
	Minimum	33	35	30	30	32	41	43	45	41	41	40	46	46	40	44	32	34	34	45	42	47	38	37	27	21	[illegible]	[illegible]	21	25	30	...	35.6
Kershaw §§	Maximum	60	59	57	61	61	68	75	66	72	73	75	74	69	58	67	60	67	71	72	51	60	70	58	45	[illegible]	50	[illegible]	[illegible]	63	67	....	63.1
	Minimum	30	34	31	36	28	30	38	41	36	41	41	40	51	46	41	44	33	38	41	43	46	41	[illegible]	[illegible]	20	[illegible]	[illegible]	30	30	43	....	36.8
Landrum	Maximum	...	52	61	64	63	73	77	68	72	74	69	60	66	66	65	[illegible]	69	73	70	61	71	64	52	39	47	52	51	61	57	49	....	[a] 62.0
	Minimum		43	33	32	27	31	51	56	56	51	41	41	48	47	46	44	39	35	46	43	45	41	38	25	25	30	30	37	43	41	..	[a] 40.2
Liberty	Maximum	57	48	60	62	61	70	74	68	70	72	68	62	61	62	67	68	67	76	67	60	62	52	58	48	[illegible]	51	54	[illegible]	56	54	...	61.6
	Minimum	28	40	28	35	31	31	35	37	37	39	38	[illegible]	48	49	39	49	35	36	41	40	44	33	27	38	19	20	31	36	43	44	..	39.5
Little Mountain	Maximum	57	51	56	60	58	68	73	64	66	70	70	67	61	58	65	61	65	68	71	62	67	68	[illegible]	[illegible]	47	45	54	[illegible]	62	60	.	61.0
	Minimum	37	38	32	32	35	35	46	46	43	46	48	48	46	47	45	43	39	48	49	44	47	48	38	[illegible]	25	[illegible]	[illegible]	[illegible]	40	44	...	40.8
Meriwether	Maximum	61	54	...	...	...	...	77	...	72	73	72	69	69	60	68	70	71	73	...	...	...	...	...	...	58	54	58	60	68	60	...	[k] 65.9
	Minimum	31	31			26	26	..	35	...	39	35	40	40	48	41	32	33	34	...	...	...	...	...	...	21	22	26	34	48	40	...	[h] 31.4
Monetta	Maximum	59	55	57	61	61	69	76	71	74	72	74	71	64	57	66	62	70	72	75	63	67	66	61	47	47	[illegible]	57	[illegible]	65	61	...	63.9
	Minimum	36	37	33	40	33	32	46	41	41	44	[illegible]	44	49	47	43	[illegible]	35	41	44	[illegible]	43	45	35	[illegible]	[illegible]	[illegible]	30	37	51	46	...	39.8
Mountain Rest	Maximum	53	44	58	59	58	68	73	68	68	69	61	55	61	59	66	68	68	71	68	54	67	60	46	40	46	48	50	...	62	54	...	[a] 59.1
	Minimum	26	32	24	25	26	28	31	32	32	34	33	41	44	43	33	31	30	30	37	[illegible]	37	37	[illegible]	22	[illegible]	[illegible]	[illegible]	...	28	42	....	[a] 31.2
Newberry	Maximum	60	62	59	62	60	70	76	68	72	73	71	66	58	55	69	64	66	70	[illegible]	57	68	68	58	48	[illegible]	51	76	66	62	59	....	63.7
	Minimum	31	35	31	36	31	28	34	40	36	35	37	40	47	47	40	40	32	35	[illegible]	45	[illegible]	47	[illegible]	[illegible]	20	21	27	[illegible]	45	44	...	36.2
Saluda	Maximum	60	53	60	62	62	70	70	70	72	73	73	67	60	58	68	65	69	71	75	63	67	66	61	47	48	[illegible]	[illegible]	63	66	60	...	63.5
	Minimum	29	29	25	28	23	22	30	32	31	31	32	36	44	47	39	36	28	30	36	47	46	48	28	31	17	18	21	[illegible]	45	44	...	33.2
Santuck	Maximum	58	52	58	60	59	68	74	66	69	71	71	65	60	54	67	62	65	71	71	[illegible]	68	68	55	47	46	[illegible]	54	60	59	51	...	61.1
	Minimum	29	35	31	38	31	29	38	40	35	36	40	40	48	46	43	43	32	34	42	43	45	47	33	33	22	21	29	35	44	41	...	36.8
Spartanburg §§	Maximum	57	50	62	63	61	70	75	70	72	74	70	78	61	58	67	65	59	71	70	48	68	65	46	41	47	51	54	61	51	49	....	60.6
	Minimum	36	34	29	34	31	30	32	38	36	37	40	41	45	45	42	42	33	34	35	44	41	42	36	29	24	[illegible]	27	33	42	41	....	35.8
Trenton	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
White Oak	Maximum	57	53	58	59	61	68	74	66	70	72	72	74	60	53	67	60	66	69	[illegible]	66	67	66	60	[illegible]	46	50	[illegible]	57	[illegible]	60	....	62.1
	Minimum	33	36	33	40	32	38	41	41	42	44	46	43	50	47	44	42	35	43	[illegible]	43	46	38	35	30	[illegible]	28	29	38	48	43	....	39.4
Winthrop College	Maximum	47	47	49	50	50	57	65	64	61	62	62	62	60	60	60	60	50	78	58	50	57	57	52	42	41	40	[illegible]	[illegible]	52	48	...	51.3
	Minimum	32	32	32	39	30	35	40	40	38	40	40	42	50	40	39	44	24	42	44	42	45	46	32	[illegible]	20	20	32	37	48	40	...	37.8

Reference letters, (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, November, 1917.



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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

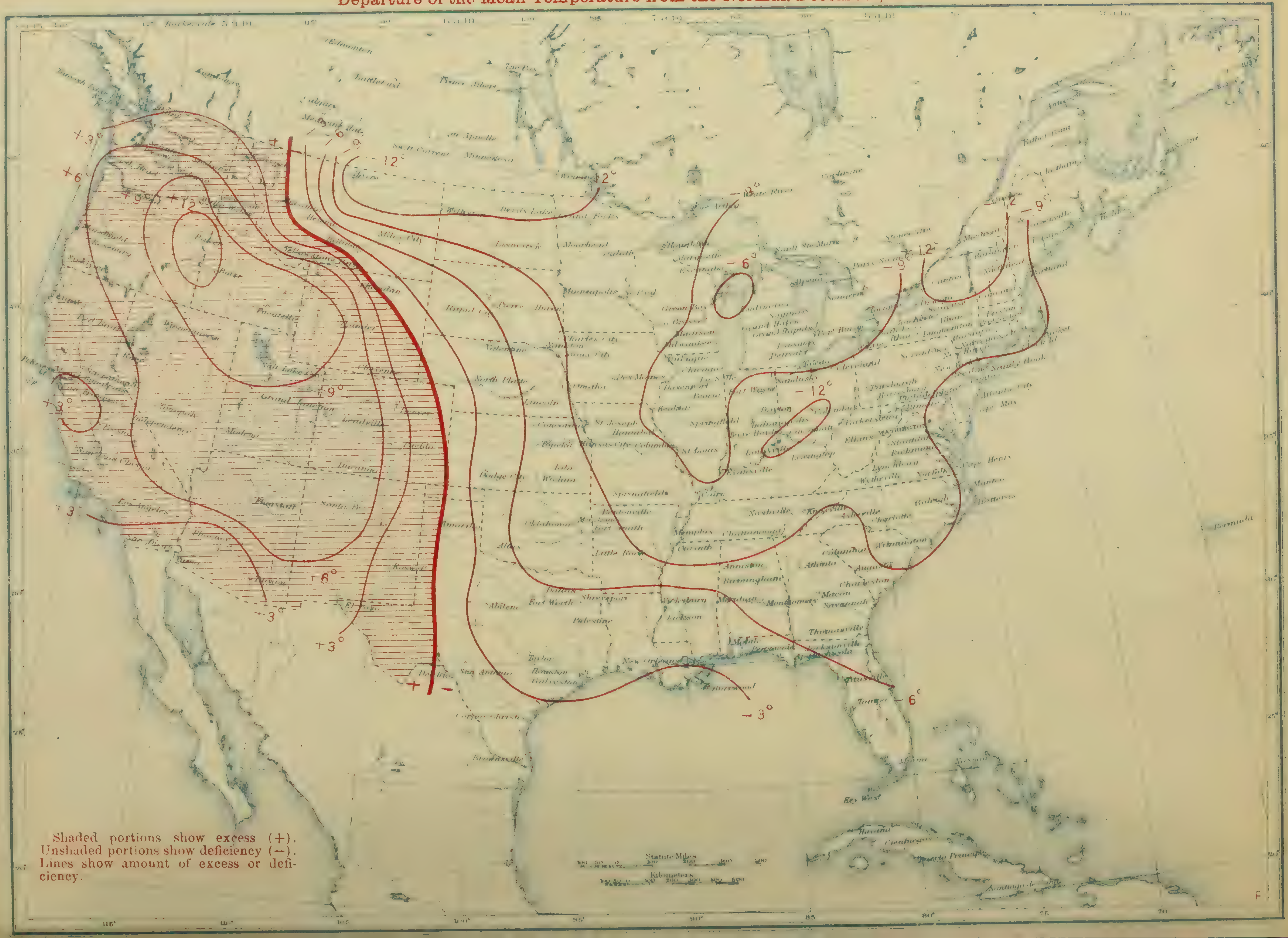
SOUTH CAROLINA SECTION

DECEMBER, 1917

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
January 23, 1918

Departure of the Mean Temperature from the Normal, December, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

F

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN. Meteorologist.

Vol. XX. Columbia, S. C., December, 1917. No. 12.

GENERAL SUMMARY.

The year 1917 closed with the coldest December of record and, with but one exception, the coldest month of record in the history of South Carolina. The prolonged cold, which began with a severe cold wave on the 9th, culminated in a record-breaking cold wave on the 30th, and continued with but little relief into January, 1918, is the longest period of extreme frigid conditions on record at the Section Center. The month was exceptionally dry; in fact, but one previous December has had less precipitation.

Wheat, oats, and rye suffered little, if any, material injury during the cold period, 9th to 19th, but turnips and cabbage were in poor condition. As much of the general grain area was covered with snow during the second period of extreme cold, 27th to 31st, the damage by winter killing was materially reduced. All winter truck was destroyed by the freezes. General outdoor work was practically suspended after the first week, and but slow progress was made in plowing for spring seeding.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the section, was 30.23 inches. The highest pressure in the region covered by reports was 30.67 inches at Asheville, N. C., on the 17th, and in the Section proper, 30.64 inches at Columbia on the 16th; lowest pressure, 29.39 inches at Charlotte, N. C., on the 8th, and in the Section proper, 29.45 inches at Greenville on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 42 stations, was 37.7°, or 8.4° below the established normal, 3.2° below the average of the previous coldest December, in 1903, and but 0.3° above the average of the coldest month during the past 31 years, viz.: February, 1899. The highest temperature was 82° at Centenary, Marion County, on the 4th. The warmest period was during the first four days. The lowest temperature was 6° below zero at Landrum, Spartanburg County, and Mountain Rest, Oconee County, on the 30th. The coldest periods were between the 9th and 19th and from the 27th to the 31st, when the daily mean temperatures ranged from 10° to 35° below the daily normals, and during practically the entire period after the 9th the temperatures in any part of the State failed to rise above normal.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 81%; 8 p.m., 69%. The greatest percentages occurred over the lower Savannah watershed and the southern coast counties, and the lowest, over the north-central counties.

PRECIPITATION.

The average for the Section, 56 stations reporting, was 1.47 inches, or 1.86 inches below the established normal. Intermittent rains and local snows occurred during the first half, followed by an extended dry period, with recurring rains and local snows after the 25th. The light precipitation was generally well distributed as to amounts and areas, and but few sections had more than 2 inches, while in considerable portions of the central and northwestern counties the amounts were below 1 inch. The greatest local monthly amount was 3.35 inches at Conway, Horry County; least amount, 0.34 inch at Bowman, Orangeburg County. The greatest amount during any 24 hours was 1.20 inches at Rimini, Clarendon County, on Nov. 30-Dec. 1. The average number of rainy days was 14% below normal.

Snowfall, ranging in depth from Trace to 11.2 inches, occurred in practically the entire State and was confined principally to the periods, 11th to 13th and 26th to 31st. The greatest 24-hour snowfall at any station was 6.7 inches at Landrum, Spartanburg County, on the 11th-12th.

WIND.

The prevailing wind was from the northeast. The average hourly velocity, determined from 8 anemometer records, was 9.3 miles. The highest average velocity in the region covered by reports was 12.1 miles per hour at Charleston; lowest average, 6.2 miles per hour at Augusta, Ga., and in the Section proper, 7.8 miles per hour at Columbia. The highest velocity for any 5-minute period was 46 miles per hour from the southwest at Charlotte, N. C., on the 8th, and in the Section proper, 40 miles per hour from the southwest at Greenville on the same date.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 161.8 hours, or 52% of the possible amount. The average number of clear days was 15; partly cloudy, 6, and cloudy, 10, as against normals of 14, 7, and 10 days, respectively.

RIVER CONDITIONS.

On account of the unusually light rainfall, with snow on the ground during extended periods, the rivers of the Section were generally very low throughout the month.

MISCELLANEOUS PHENOMENA. (dates).

Fog, (dense).—Columbia, 1; Greenville, No. 1, 20; Liberty, 20; Oaks, 20; Rimini, 7, 25; Walhalla, 20, 25.

Halos, (lunar).—Greenville, No. 1, 24; Walhalla, 24. *Solar:* Columbia, 14; Liberty, 7; Santuck, 5.

ERRATA.

February, 1917. Mountain Rest Minimum temperature, page 12, should be $^{d}-2$.
November, 1917. Chappells Total precipitation, page 84, should be 1.04.

MISCELLANEOUS DATA FOR DECEMBER, 1917.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C.	30.27	30.2	63	−4	1.48	0.45	8.3	nw.	83	64	46
Augusta, Ga.	30.23	39.6	72	11	1.41	0.54	6.2	ne.	84	73	54
Charleston, S. C.	30.21	42.0	73	12	1.08	0.39	12.1	n.	77	78	59
Charlotte, N. C.	30.25	33.4	68	1	1.69	0.53	10.7	ne.	80	62	51
Columbia, S. C.	30.24	37.9	72	8	1.24	0.59	7.8	ne.	81	64	47
Greenville, S. C.	30.21	33.8	68	3	1.00	0.38	9.2	ne.	76	68	64
Savannah, Ga.	30.21	43.8	73	15	1.97	0.55	11.5	ne.	81	71	50
Wilmington, N. C.	30.22	38.0	73	6	2.45	0.57	8.4	n.	83	73	49
Means and extremes	30.23	37.3	73	−4	1.54	0.59	9.3	ne.	81	69	52

Climatological Data for December, 1917.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	28	40.6	6.5	73	† 3	10	30	44	1.28	−1.48	0.70	1.0	7	3	23	5	n	R. B. Vance.
Beaufort	Beaufort	21	30	...	...	...	...	11	30	...	...	...	...	0.2	...	...	...	...	...	Miss Lillian H. Rice.
Blackville	Barnwell	296	28	42.3	−5.0	73	2	8	30	45	1.26	2.22	1.60	1.0	4	20	1	10	...	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	16	39.4	−8.0	73	4	7	30	48	0.34	−3.18	0.16	1.8	3	14	10	7	ne.	B. O. Evans.
Centenary	Marion	43	2	40.0	...	82	4	6	30	47	0.80	...	0.18	1.9	7	11	7	13	nw.	D. L. Carmichael.
Charleston	Charleston	48	46	42.0	−9.3	73	3	12	30	33	1.08	−2.07	0.39	1.5	10	15	5	11	n.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	27	36.0	−8.1	68	3	6	30	38	1.97	−1.30	0.59	5.6	10	...	...	...	...	J. H. Powe.
Conway	Horry	25	31	38.4	9.5	75	3	6	30	37	3.35	+0.15	0.98	2.5	11	...	...	...	...	Paul Quattlebaum.
Darlington ††	Darlington	175	22	^{a}37.3	−7.9	^{a}75	4	^{a}6	30	^{a}43	1.18	−1.61	0.63	1.0	5	14	0	17	...	D. C. McCall.
Edisto ‡‡	Bamberg	143	29	...	...	...	...	...	...	...	1.29	−2.17	0.55	1.5	7	...	...	...	...	Nathan Jenkins.
Effingham	Florence	106	24	...	...	...	...	...	...	...	1.52	−1.78	0.86	0.8	4	...	...	...	...	H. B. McCall.
Ferguson	Orangeburg	63	31	41.0	7.2	74	4	10	†30	40	1.27	−1.76	0.53	1.0	7	12	5	14	ne.	Joseph P. Simons.
Florence 1	Florence	136	28	39.6	−5.3	74	2	7	30	46	0.73	−2.05	0.35	1.0	3	14	2	5	n.	H. K. Gilbert.
Florence 2	do	136	2	...	...				...	...	1.87	−0.91	0.85	1.5	5	14	8	9	ne.	Pee Dee Experiment Sta.
Floyd Dale	Dillon	168	...	...			...		...	...	...	...	...	...	...	...	...	...	...	H. B, Floyd.
Georgetown	Georgetown	12	22	41.6	−7.4	78	4	7	30	44	1.48	−2.07	0.55	2.8	6	17	9	5	n.	A. P. Hazard.
Kingstree	Williamsburg	54	28	38.4	−9.3	74	3	8	30	48	2.37	−0.75	0.87	2.0	7	15	0	16	ne.	A. O. Matthews.
Oaks	Georgetown	...	2	^{e}43.4	...	^{e}79	3	^{d}7	†30	^{e}48	2.38	...	0.53	5.2	10	15	1	15	n.	O. M. Mitchell.
Orangeburg	Orangeburg	264	1	37.0	...	73	3	8	30	44	1.10	...	0.90	T.	2	14	5	12	...	U. S. Fisheries Station.
Pinopolis **	Berkeley	51	67	^{f}40.1	7.3	^{e}68	3	^{d}10	30	...	2.10	−1.86	1.00	1.0	3	...	...	...	...	Miss E. P. Ravenel.
Rimini	Clarendon	97	3	...	...	...	...	...	...	...	2.25	...	1.20	1.0	7	...	...	...	...	William B. Wolfe.
St. George	Dorchester	109	28	41.9	5.8	75	4	12	30	33	1.41	1.69	0.21	1.5	7	17	1	13	ne.	R. S. Weeks.
St Matthews	Calaoun	62	21	38.5	7.8	72	† 3	9	30	47	1.99	−1.28	0.90	1.8	4	15	5	11	s.	J. S. Wannamaker.
Society Hill	Darlington	192	25	36.2	−8.8	73	3	6	30	41	1.85	1.41	0.57	3.0	9	14	3	14	ne.	A. H. Rogers.
Summerville	Dorchester	75	19	42.2	6.7	75	4	10	30	44	1.49	−2.06	0.51	1.3	10	8	14	9	ne.	Miss E. H. Gadsden.
Walterboro	Colleton	69	14	...	...	...	...	10	†29	...	1.50	−1.85	0.68	2.5	3	...	...	...	...	J. N. Frank.
Whitehall (near)	do	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Special Rice Exp. Station.
Yemassee	Hampton	24	21	41.3	−6.4	76	† 2	11	30	49	1.63	1.58	0.69	1.0	6	19	1	11	ne.	J. G. Hutson
Division means and extremes				39.9	4.3	82	4	6	30	49	1.58	2.80	1.20	1.8	6	14	6	11	ne.	
Western Portion.																				
Aiken	Aiken	527	56	40.6	−7.1	72	2	8	30	43	1.21	−2.58	0.37	0.5	5	15	4	12	n.	Frank B. McCoy.
Anderson	Anderson	764	21	^{a}34.8	9.2	^{a}73	2	2	30	^{a}38	1.52	−3.26	0.63	5.2	6	18	0	13	w.	H. H. Russell.
Batesburg	Lexington	656	28	...	...	...	...	6	30	...	2.48	1.58	0.82	2.5	7	13	4	14	ne.	E. J. Hite.
Blairs	Fairfield	293	14	...	...	...	...	...	...	...	1.32	−2.68	0.40	7.0	6	...	...	...	...	J. N. Owens.
Calhoun Falls	Abbeville	508	24	35.4	...	72	2	8	30	43	1.34	−3.08	0.26	2.8	8	14	8	9	ne.	L. M. Parker.
Camden	Kershaw	222	57	39.1	5.8	70	5	12	†30	31	0.79	−2.54	0.25	3.5	7	17	1	13	ne.	W. C. Brown.
Catawba	York	562	13	...	...	...	...	...	...	...	1.25	−3.05	0.55	5.4	5	...	...	...	...	James C. Faris.
Chappells	Newberry	402	13	...	...	...	...	...	...	...	1.57	−3.20	0.45	4.0	6	...	...	...	...	J. J. Murrah.
Clemson College	Oconee	850	25	35.3	7.3	68	4	5	30	33	1.05	−4.08	0.55	9.0	4	22	4	5	ne.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	30	37.9	−9.3	72	3	8	30	32	1.24	−1.66	0.59	2.1	11	12	7	12	ne.	U. S. Weather Bureau.
Edgefield	Edgefield	...	3	...	...	...	...	...	...	...	0.88	...	0.48	2.0	3	...	...	...	...	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	4	...	...	...	...	...	...	...	1.38	−3.30	0.51	2.2	6	...	...	...	...	Harry A. Parshall.
Greenville, No. 1	Greenville	1039	24	33.8	−7.4	68	2	3	30	31	1.00	−3.65	0.38	8.6	9	12	11	8	ne.	U. S. Weather Bureau.
Greenville, No. 2	Greenville	989	24	34.3	−6.9	72	2	0	30	37	1.28	−3.37	0.62	8.3	6	18	7	6	ne.	J. H. Woodside.
Greenwood	Greenwood	671	28	34.2	9.1	69	2	5	30	32	1.44	−3.04	0.48	4.0	5	14	0	17	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	16	^{c}37.0	5.0	^{c}68	7	0	30	^{c}45	1.15	−3.11	0.50	6.5	3	15	6	10	ne.	J. Marvin Bowers.
Kershaw	Kershaw	500	1	36.1	...	70	3	5	30	43	1.57	...	0.74	7.5	5	15	4	12	n.	John W. Hamel.
Landrum	Spartanburg	1063	2	35.0	...	72	4	6	30	50	1.83	...	0.72	10.3	5	18	8	5	...	R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	18	35.0	−7.8	70	2	5	30	40	1.74	−4.47	1.00	11.2	5	12	15	4	e.	John T. Boggs.
Little Mountain	Newberry	711	24	37.2	−8.4	70	† 2	6	30	41	1.47	−1.82	0.70	4.0	5	11	1	19	n.	J. M. Sease, M. D.
Meriwether	McCormick	450	14	...	...	^{i}73	3	^{i}9	30	...	0.90	−3.02	0.45	2.5	5	...	...	...	...	William S. Middleton.
Monetta	Saluda	400	10	38.6	−7.2	70	† 3	6	30	43	1.79	1.52	0.78	1.7	10	14	8	9	n.	Joseph M Johnson
Mountain Rest	Oconee	1380	2	31.9	...	68	2	6	30	43	0.82	...	0.60	8.2	3	23	0	8	...	James L. Brown.
Newberry	Newberry	502	14	36.2	8.4	70	† 3	5	30	37	1.66	−3.26	0.49	5.8	7	10	7	14	e.	Warren G. Peterson.
Pelzer	Anderson	850	13	...	...	...	...	...	...	...	1.28	−4.18	0.40	7.5	6	...	...	...	...	Joshua Y. Jones.
Saluda	Saluda	536	16	36.4	−9.3	71	† 1	7	30	41	2.47	−1.54	0.60	5.0	10	16	4	11	n.	Mrs. F. V. J. Maxwell
Santuck	Union	512	24	35.1	−8.1	69	3	4	30	42	1.20	−3.08	0.62	4.8	7	14	9	8	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	34	33.2	−8.6	70	4	1	30	39	1.15	3.22	0.55	9.5	4	...	...	...	...	F. P. Robinson.
Trenton	Edgefield	620	28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Mrs. S. E. Long.
Walhalla	Oconee	1061	14	...	...	...	...	...	...	...	1.34	−3.02	0.60	7.4	7	14	10	7	sw.	H. W. Brandt.
White Oak	Fairfield	548	1	36.6	−7.5	69	3	5	30	38	1.09	−2.50	0.40	5.5	6	18	9	4	ne.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	34.0	9.1	65	25	3	30	37	1.70	−2.89	0.60	8.0	4	10	16	5	n.	W. P. Goodman
Division means and extremes				35.9	−11.5	73	† 2	6	30	50	1.38	−1.71	1.00	5.6	6	15	6	10	ne.	
Section means and extremes				37.7	−8.4	82	4	6	30	50	1.47	1.86	1.20	3.8	6	15	6	10	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for December, 1917.

Stations.	Watersheds.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Eastern Portion.																																	
Allendale	Savannah	.09					.25		.05	.10			.08														.70				.10		1.28
Beaufort	Coast																									T.	.10			.15	.02		
Blackville ‖	Edisto							.16																			1.00				.02	.08	1.26
Bowman	do								.16																	T.				.08		.10	0.34
Centenary	Pee Dee	.20			.10		.10		.18				.06	T.			T.	.03									T.			T.	.13	T.	0.80
Charleston ***	Coast	.01			T.		.39		.09			.03	.05	.03			.02			T.						T.	.30			.13	.03	T.	1.08
Cheraw	Pee Dee				.09	.20			.32	.17			.59					.02		.02							.51	.01			.04	T.	1.97
Conway	Waccamaw	.35			T.			.15	.12	.86			.35	.15	T.			.10			T						.98	T.	.08		.21		3.35
Darlington ‖	Pee Dee				.20				.25				.05														.63				.05		1.18
Edisto ‖	Edisto	.13							.09	.14				.09	.14												.55				.15		1.29
Ellingham ‖	Lynches								.27	.32			.07														.86				T.	T.	1.52
Ferguson ‖	Santee						.13		.30					.03	.18												.53				.09	.01	1.27
Florence 1 ‖	Pee Dee							.18					.35															.10				.10	0.73
Florence 2	do						.12		.50				.30	T.			T.										.85					.10	1.87
Floyd Dale	Little Pee Dee																																
Georgetown	Coast	.55							.30				.15														.20			.08	.20	T.	1.48
Kingstree ‖	Black	.53				.05		.15		.30			.27														.87		T.		.20		2.37
Oaks	do	.18			T.		.15		.53				.08	.18				.04		.02							.70			.40		.10	2.38
Orangeburg	Edisto	T.						T	.20	T.			T.	T.												T.	.90				T.	T.	1.10
Pinopolis	Cooper													.50												.50	1.00				.10		2.10
Rimini ‖	Santee	1.20				.05		.02	.15	T.			.05														.72				.06	T.	2.25
St. George ‖	Edisto	.14						.12	.03	.21			.05		.11												.60			.15			1.41
St. Matthews ‖	Santee	.39							.30											.30							.90					.10	1.99
Society Hill ‖	do	.04			.05	11	.01		.57				.56					.10									.35	.05			.01		1.85
Summerville	Ashley	.08					.21		.29				.05	.16						.03						T.	.51	T.		.03	.12	.01	1.49
Walterboro	Ashepoo						.36		.21				T.	T.													.68			25			1.50
Whitehall (near)	Combahee																																
Yemassee	do	.09						.35		.15				T.	.25												.69	T.			10		1.63
Western Portion.																																	
Aiken	Edisto	.37					.16		.34				.29																			.05	1.21
Anderson	Savannah				.27				.27			T.	.63														.10			.05		.20	1.52
Batesburg ‖	Edisto				.12	.28	.30		.71				.10														.82				.15		2.48
Blairs ‖	Broad				.10				.30				.40															.22			.10	.20	1.32
Calhoun Falls ‖	Savannah	.23			26	.21			.19				.25														.11				.06	T.	1.34
Camden ‖	Wateree	.25			.18				.08	.06			.05														.11				.06	.03	0.79
Catawba ‖	Catawba					16			.55				.50																		.02	.02	1.25
Chappells ‖	Saluda	.14			.20				.40				.45								T.						.23				T.	.15	1.57
Clemson College	Savannah				.15							T.	.55														T.			.05		.30	1.05
Columbia ***	Congaree				.17	.01	T.		.27			.03	.01	.02			.02									.23	.36			.04		.08	1.24
Edgefield ‖	Savannah	.20							.48				.20																			T.	0.88
Gaston Shoals ‖	Broad				T.	.08			.51	T.			.49		T												.08	T.			.12	.10	1.38
Greenville No. 1 ***	Saluda				.04				.38			33	.02	.01												.02	.01			.14		.05	1.00
Greenville No. 2 ‖	do				.04				.42				.62		T.												.04	T			.14	.02	1.28
Greenwood ‖	do			.48					.42				.39														.05				.10		1.44
Heath Spring	Wateree								.50				.45																	.20			1.15
Kershaw	Lynches			.08					.45																		.74				.10	.20	1.57
Landrum	Broad				T.				.73			T.	.72	T.													.06			.27		.05	1.83
Liberty	Savannah												1.00								T.					.10	.12			.24		.28	1.74
Little Mountain	Saluda				.07					.70		T.	.41	T.													.09			T.	.20		1.47
Meriwether	Savannah								T					.20												T.	.45			.05	.10	.10	0.90
Monetta	Edisto	.17			.04	.12	.03		.29				.25													.04	.78			T.	.02	.05	1.79
Mountain Rest	Savannah											.60																		.10		.12	0.82
Newberry	Saluda				.30		.01		.49				.43							T						T.	.20			.08		.13	1.66
Pelzer ‖	do	T.			.12	T			.36				.40		T.												.10	T.			.10	.20	1.28
Saluda	do			.18	.24	.05		.60				.10	.32												.58				.05		.20	.15	2.47
Santuck	Broad	.02			.14				.62				.31													T.	.05			.03		.03	1.20
Spartanburg ‖	do					T.			.42			.55			T.												T.	T.		.15		.03	1.15
Trenton	Edisto																																
Walhalla	Savannah				.08				.43				.60								T.					.03	T.			.09		.11	1.34
White Oak	Broad				.10				.40				.35														.04			.10		.10	1.09
Winthrop College	Catawba				.35				.55				.60				T															.20	1.70

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch

COMPARATIVE DATA FOR DECEMBER.

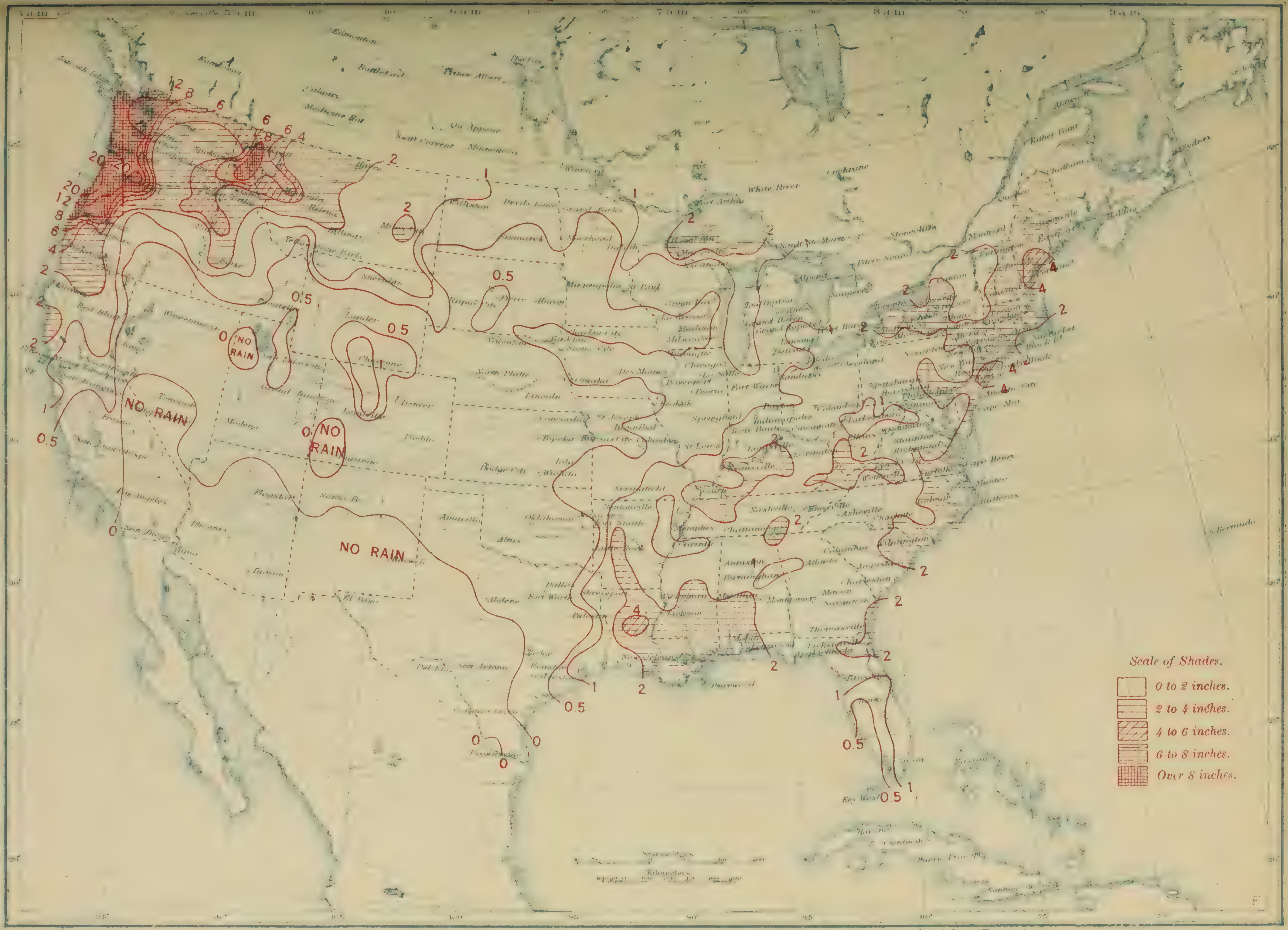
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.	Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.			Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	44.9	76	18	4.65	10				ne.-e	1903	41.0	72	10	1.95	6	20	5	6	w
1888	42.7	71	13	3.56	7					1904	45.5	78	16	2.79	9	14	5	12	w.
1889	55.4	79	17	0.53	1				sw.	1905	45.2	77	16	7.25	10	12	4	15	ne
1890	45.9			2.25						1906	48.0	89	11	3.25	7	14	8	9	sw
1891	49.9			1.91						1907	46.2	75	12	5.81	10	14	7	10	w
1892	47.1	76	6	2.45						1908	50.6	83	23	2.84	7	13	9	9	w.
1893	47.2	79	17	3.05	6	17	7	7	sw.	1909	42.8	84	7	2.81	7	17	7	7	nw
1894	48.1	85	−1	2.56	7	15	8	8	nw.	1910	42.0	76	12	2.36	5	18	7	6	w
1895	46.1	80	15	3.04	6	16	7	8	nw	1911	49.8	85	18	4.91	9	11	7	13	ne
1896	44.0	83	8	3.55	7	17	6	8	ne.	1912	48.8	79	18	2.88	8	12	5	14	sw.
1897	47.6	82	21	2.40	8	11	8	12	ne.	1913	47.8	77	16	4.25	9	10	7	14	w
1898	45.9	77	9	2.84	8	12	7	12	nw.	1914	43.9	80	11	4.80	13	6	6	19	ne.
1899	44.6	79	11	2.33	7	15	8	8	nw.	1915	44.2	79	17	3.27	7	18	5	8	w.
1900	45.5	79	18	5.64	8	14	7	10	n.	1916	46.7	79	11	2.43	9	16	6	9	w.
1901	44.0	80	2	5.01	11	13	5	13	n.	1917	37.7	82	−6	1.47	6	15	6	10	ne
1902	46.8	85	10	4.26	7	14	6	11	nw.	Period	46.1	89	−6	3.33	7	14	7	10	w

Daily Temperatures for December, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	65	71	73	73	58	58	65	66	34	36	41	31	32	45	33	43	49	48	51	50	55	54	64	68	72	36	34	51	41	24	25	49.9
	Minimum	47	39	43	53	48	43	26	45	22	26	19	29	27	24	25	25	30	33	34	34	28	34	31	24	30	35	30	29	32	10	14	31.4
Beaufort	Maximum	60	68	64	...	...	...	...	...	29	43	...	...	...	48	46	44	63	47	46	...	...	...	...	...	65	63	40	54	48	25	27	....
	Minimum	38	40	39	...	...	...	...	...	22	26	...	...	...	26	26	29	35	30	33	...	...	...	...	...	39	32	29	29	20	11	12	....
Blackville §	Maximum	70	70	73	72	55	52	53	55	53	46	40	37	37	39	46	40	48	49	49	51	55	58	64	68	71	65	63	62	53	52	41	54.4
	Minimum	39	42	41	43	45	29	27	21	17	14	16	26	26	25	25	20	28	31	30	31	36	40	41	43	44	38	36	35	26	8	13	30.2
Bowman	Maximum	68	70	72	73	62	68	65	65	38	35	42	35	32	45	40	38	45	38	48	50	64	58	54	65	70	60	35	50	40	28	25	50.9
	Minimum	45	40	42	40	36	40	20	38	20	20	12	25	24	24	22	26	30	29	32	32	22	23	30	25	40	30	25	30	28	7	11	28.0
Centenary	Maximum	65	68	78	82	69	54	62	70	61	34	38	37	33	41	36	37	39	40	45	52	63	57	50	64	71	59	37	50	35	26	21	50.8
	Minimum	46	34	35	52	45	39	26	37	26	23	15	26	27	23	22	24	30	31	36	35	26	29	29	23	40	32	25	31	22	6	9	29.2
Charleston	Maximum	65	60	73	72	60	49	53	67	37	37	42	42	37	43	40	43	49	41	45	49	55	60	52	56	70	58	40	48	43	23	24	49.5
	Minimum	50	46	47	53	48	39	36	34	27	30	28	33	31	28	31	31	33	35	37	38	35	38	35	37	46	34	32	43	18	12	13	34.5
Cheraw §§	Maximum	51	66	68	67	49	45	48	62	32	30	33	30	26	38	33	30	39	34	41	48	61	51	47	58	67	33	32	49	32	20	21	43.3
	Minimum	44	36	50	50	38	40	32	37	24	19	15	22	22	16	17	18	26	28	34	37	29	30	28	27	42	30	22	30	30	6	9	28.6
Conway §§	Maximum	63	66	75	72	51	44	62	60	37	34	37	31	34	41	28	41	39	41	44	51	60	58	51	64	72	34	37	50	34	20	22	46.9
	Minimum	49	33	39	51	45	41	29	34	27	28	17	25	28	25	23	23	27	32	37	37	26	28	28	27	37	32	28	30	30	6	9	30.0
Darlington §§	Maximum	66	69	75	71	51	45	54	67	36	35	39	32	28	41	38	35	40	37	44	54	...	58	57	62	70	35	34	52	34	23	24	^{a}46.9
	Minimum	45	34	43	52	42	40	26	33	24	23	14	24	24	20	20	20	26	30	30	36	26	...	25	23	30	30	23	24	28	6	11	^{a}27.7
Ferguson §§	Maximum	64	68	72	74	52	45	59	62	68	36	42	31	31	44	42	40	44	40	46	52	60	60	58	72	70	35	35	50	42	38	24	50.2
	Minimum	48	48	51	54	48	44	28	28	30	28	17	17	28	23	23	25	30	33	33	36	26	26	28	42	50	33	29	29	32	10	10	31.8
Florence 1 §§	Maximum	70	74	72	70	55	44	70	76	39	35	41	31	28	42	38	35	42	42	43	56	62	66	70	71	72	39	37	52	24	20	22	48.8
	Minimum	41	44	47	48	44	40	29	30	24	24	17	19	26	22	21	21	26	30	31	36	39	40	41	42	44	35	24	19	18	7	9	30.3
Floyd Dale	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	....
Georgetown	Maximum	65	67	68	78	76	74	70	64	52	58	40	32	35	45	40	43	48	44	45	52	58	63	54	64	72	38	38	50	40	34	25	52.6
	Minimum	49	36	40	42	40	40	38	44	25	27	17	28	29	25	24	24	30	32	35	35	26	35	29	28	29	32	29	31	29	7	10	30.5
Kingstree §§	Maximum	64	68	74	73	52	45	55	69	36	35	40	38	38	42	38	58	44	40	45	51	61	59	52	64	73	35	37	50	34	22	22	48.2
	Minimum	47	34	40	45	49	42	27	27	24	26	15	16	28	28	21	25	27	32	33	37	26	26	29	24	25	33	27	28	30	8	11	28.7
Oaks	Maximum	68	71	79	78	68	64	58	72	56	45	42	34	54	42	41	42	48	42	47	...	60	65	62	68	74	55	63	...	...	...	...	^{e}50.8
	Minimum	39	34	37	55	48	40	28	34	27	26	16	29	29	25	25	25	31	33	33	...	27	26	29	26	37	33	27	...	...	7	7	^{d}29.9
Orangeburg	Maximum	64	71	73	74	52	44	55	64	35	36	38	31	29	42	38	38	42	36	48	51	62	56	52	66	70	34	32	38	34	20	24	46.7
	Minimum	42	34	38	48	44	42	25	28	20	20	15	18	25	21	22	25	28	31	31	35	26	26	28	22	27	33	22	26	29	8	9	27.4
St. George §§	Maximum	65	72	74	75	53	45	60	67	42	38	42	32	32	47	41	42	49	38	47	52	63	59	55	68	74	37	34	50	40	22	25	49.7
	Minimum	49	39	50	53	49	44	28	50	26	30	20	31	30	25	27	30	33	35	37	39	30	31	33	30	46	36	30	33	34	12	17	34.1
St. Matthews §§	Maximum	67	70	72	72	53	54	57	64	55	36	37	31	29	40	35	35	39	37	47	50	62	56	49	71	70	34	39	49	36	22	24	48.1
	Minimum	44	38	46	52	43	41	25	27	20	23	16	23	25	20	23	25	29	30	31	35	27	31	30	24	32	31	26	27	32	9	10	28.9
Society Hill §§	Maximum	65	66	73	70	50	44	50	65	35	32	34	31	27	39	32	31	39	37	43	51	61	52	47	60	67	35	36	49	33	21	22	45.1
	Minimum	44	33	43	51	40	39	27	31	24	21	15	23	23	15	17	19	25	29	30	36	26	31	25	22	34	30	23	26	31	6	8	27.3
Summerville	Maximum	66	69	74	75	69	52	55	68	53	38	44	36	33	47	40	46	51	40	46	53	62	62	54	67	73	63	38	50	44	37	25	52.6
	Minimum	48	38	41	54	51	40	28	39	24	24	18	31	30	23	26	27	33	34	36	39	28	29	30	29	41	33	30	31	30	10	12	31.8
Walterboro	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	....
	Minimum	43	35	40	50	49	40	26	41	30	24	16	30	30	23	23	24	32	37	37	37	26	25	33	35	39	33	32	30	10	10	...	31.3
Yemassee §§	Maximum	68	76	75	76	62	48	63	70	38	40	48	34	34	50	45	46	54	40	49	50	64	63	58	67	74	38	38	52	42	26	28	52.1
	Minimum	45	34	40	44	50	44	25	26	21	24	20	34	30	25	24	26	33	34	36	39	27	27	28	26	28	38	33	30	32	11	14	30.5
Western Portion.																																	
Aiken	Maximum	65	71	72	71	65	53	56	60	41	36	37	35	29	42	42	36	44	43	45	51	60	57	55	64	68	60	35	51	50	33	33	50.3
	Minimum	43	41	47	54	45	40	31	49	17	21	21	24	25	19	21	27	26	30	32	36	32	36	32	32	42	32	27	27	32	8	12	30.8
Anderson	Maximum	68	73	69	69	55	50	55	...	29	35	30	30	28	39	32	28	39	39	42	41	58	56	56	57	57	50	38	50	40	24	21	^{a}45.3
	Minimum	38	38	47	52	37	35	27	24	11	13	15	20	19	11	16	17	16	22	21	28	25	33	30	26	33	28	23	22	17	2	10	24.4
Batesburg §§	Maximum	53	57	56	45	42	45	46	33	26	24	25	26	23	28	34	29	36	33	40	49	52	60	50	63	60	34	33	38	37	25	23	39.5
	Minimum	42	46	49	41	41	39	33	31	18	20	19	17	20	19	19	22	24	27	29	31	33	31	31	30	31	28	24	26	19	6	12	27.7
Calhoun Falls	Maximum	65	72	68	69	54	50	55	54	31	34	31	30	27	45	33	28	41	39	40	45	60	57	58	59	56	35	34	51	38	30	23	45.5
	Minimum	42	42	38	43	40	39	25	29	13	16	13	16	22	15	16	20	20	25	20	24	28	27	31	26	28	33	28	26	26	8	9	25.4
Camden §§	Maximum	62	61	60	65	70	60	50	60	57	57	48	38	32	37	34	31	36	39	43	47	46	57	46	51	63	53	42	47	41	37	32	48.5
	Minimum	43	46	42	40	40	42	28	45	22	22	21	25	23	25	22	28	27	29	28	27	29	30	30	27	29	37	25	29	35	12	12	29.7
Clemson College	Maximum	65	66	67	68	64	53	49	49	39	33	30	31	31	39	38	30	40	40	42	48	50	54	48	51	51	50	45	44	37	22	24	45.1
	Minimum	45	35	45	56	35	36	25	36	14	16	12	23	22	10	16	20	10	24	18	22	30	30	30	26	31	33	28	23	22	5	12	25.5
Columbia	Maximum	65	70	72	71	59	45	52	61	31	32	35	31	28	38	34	30	38	34	44	49	61	52	48	61	64	53	34	50	39	22	21	45.9
	Minimum	45	43	51	56	44	38	31	30	20	22	19	25	24	20	22	25	26	31	33	35	30	34	30	29	40	31	25	30	18	8	12	29.9
Greenville, No. 1	Maximum	63	68	65	66	51	47	47	48	26	32	27	28	29	36	28	26	39	38	42	40	53	56	44	53	56	41	33	50	38	22	18	42.3
	Minimum	38	37	47	47	37	36	30	25	12	13	17	17	16	11	17	19	19	25	25	27	28	39	32	30	40	28	23	22	11	3	11	25.2
Greenville, No. 2 §§	Maximum	67	72	67	70	55	50	51	50	35	32	32	34	27	40	33	27	44	43	46	44	58	61	47	57	60	37	38	53	36	29	21	45.7
	Minimum	36	32	38	44	36	35	25	28	13	13	15	17	20	8	13	17	17	20	24	25	24	25	31	24	33	29	23	21	23	0	3	23.0
Greenwood §§	Maximum	63	69	66	68	53	47	51	55	30	30	30	30	24	40	33	26	40	32	40	44	56	56	48	58	59	36	33	49	35	21	20	43.3
	Minimum	41	39	42	46	40	39	29	29	15	16	15	16	20	14	16	19	21	20	20	28	28	28	28	26	27	31	24	23	24	5	6	25.0
Heath Spring	Maximum	63	65	62	64	48	48	68	56	53	47	42	36	34	34	36	37	37	35	38	60	60	...	...	...	56	40	48	56	20	30	45	^{c}47.1
	Minimum	25	45	40	40	24	36	40	39	19	17	14	21	17	20	24	28	32	27	36	30	31	26	39	32	36	20	24	21	19	0	9	26.8
Kershaw §§	Maximum	67	69	70	51	52	45	50	62	32	30	34	31	33	52	34	30	43	36	41	51	55	52	49	58	64	50	34	49	36	21	24	44.7
	Minimum	43	45	56	38	38	36	27	40	19	18	14	22	18	14	16	19	21	27	30	34	30	35	27	26	39	30	21	26	31	5	9	27.5
Landrum	Maximum	63	69	68	72	58	49	48	52	34	29	30	32	30	41	37	27	41	40	41	47	60	57	50	58	64	54	35	52	44	24	22	46.1
	Minimum	40	44	41	53	30	31	25	34	15	10	16	19	11	19	10	15	10	21	16	30	37	36	27	24	39	27	21	18	19	−6	9	25.9
Liberty	Maximum	65	70	67	69	60	49	49	43	32	34	30	32	29	38	32	28	42	41	44	48	55	56	47	55	54	41	45	50	45	25	23	44.9
	Minimum	39	33	48	57	38	37	25	32	13	14	16	21	17	6	17	19	9	25	19	27	24	34	32	26	34	30	25	21	22	5	12	25.1
Little Mountain	Maximum	63	70	70	70	60	50	50	58	36	31	33	31	30	39	35	29	40	33	40	49	59	56	47	59	64	56	34	49	46	22	20	46.1
	Minimum	40	41	48	56	40	39	34	36	17	19	17	19	20	16	20	19	20	27	27	33	32	35	29	28	50	50	23	26	20	6	11	28.3
Meriwether	Maximum	72	72	73	70	61	61	...	60	35	40	40	35	32	25	45	37	40	40	48	50	61	59	...	63	...	...	...	...	...	...	...	....
	Minimum	35	35	44	53	...	...	26	...	12	20	14	35	25	18	22	26	27	29	27	34	25	71	...	...	...	...	24	...	...	9	...	....
Monetta	Maximum	64	69	70	70	64	50	55	59	37	34	33	32	28	40	37	32	42	38	47	51	61	55	50	62	65	57	33	52	47	25	23	47.8
	Minimum	43	42	47	53	43	40	29	37	16	19	17	23	23	20	23	24	25	29	31	33	30	36	32	27	44	31	26	27	25	6	10	29.4
Mountain Rest	Maximum	62	68	66	65	55	47	46	45	29	32	30	37	32	65	40	28	41	39	47	54	59	58	54	59	49	33	34	48	37	21	20	45.2
	Minimum	35	28	33	48	27	29	22	27	5	9	7	15	5	5	7	11	11	10	12	18	21	24	22	31	28	29	22	11	22	−6	9	18.6
Newberry	Maximum	66	69	70	70	64	48	53	59	34	32	32	31	30	42	35	27	40	33	41	48	60	55	47	59	60	56	35	51	36	22	22	46.6
	Minimum	40	33	46	57	40	37	26	34	17	18	16	23	20	13	19	23	20	26	23	33	26	30	29	23	36	30	23	25	20	5	11	26.5
Saluda	Maximum	71	71	70	65	51	50	42	59	34	33	33	30	41	39	40	43	39	43	49	60	56	50	60	63	55	35	50	42	23	23	23	46.5
	Minimum	30	40	54	42	40	39	17	17	18	14	23	14	18	31	31	32	28	25	33	23	27	24	20	34	30	28	25	22	22	7	11	26.4
Santuck	Maximum	63	67	69	68	62	47	50	58	34	30	32	30	29	39	33	26	37	35	44	40	57	53	47	56	63	56	35	49	41	21	21	44.9
	Minimum	40	36	47	55	37	37	24	33	16	17	13	22	18	12	15	17	16	25	31	20	26	31	27	23	35	29	22	25	20	4	11	25.3
Spartanburg §§	Maximum	63	68	67	70	52	58	49	53	28	29	30	30	27	40	30	25	38	39	41	40	56	55	43	55	60	36	36	52	34	22	21	43.5
	Minimum	40	39	41	48	35	35	26	27	14	13	13	15	14	17	12	13	14	16	22	22	23	23	28	25	30	28	22	21	22	1	10	22.8
Trenton	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	....
White Oak	Maximum	64	66	69	68	66	47	49	58	43	36	33	31	30	36	35	30	36	34	40	49	59	52	47	57	62	57	35	49	43	20	21	45.9
	Minimum	42	40	47	56	38	37	29	43	17	17	15	22	18	15	17	18	19	25	26	33	30	35	27	29	41	29	21	26	20	5	10	27.3
Winthrop College	Maximum	55	55	60	60	56	56	42	42	42	27	30	30	27	30	30	25	31	33	39	40	58	55	45	55	65	55	35	55	40	21	20	42.4
	Minimum	45	37	40	53	35	35	28	38	17	14	15	22	15	12	15	15	17	25	25	33	29	34	28	28	40	26	20	24	17	3	10	25.6

Reference letters, (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing: For example, ^{b} represents two days missing, etc

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


NO RAIN
NO RAIN
NO RAIN
NO RAIN
Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
Key West
Bermuda
F

UNIVERSITY OF ILLINOIS
URBANA

51.05
NSC

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

SOUTH CAROLINA SECTION

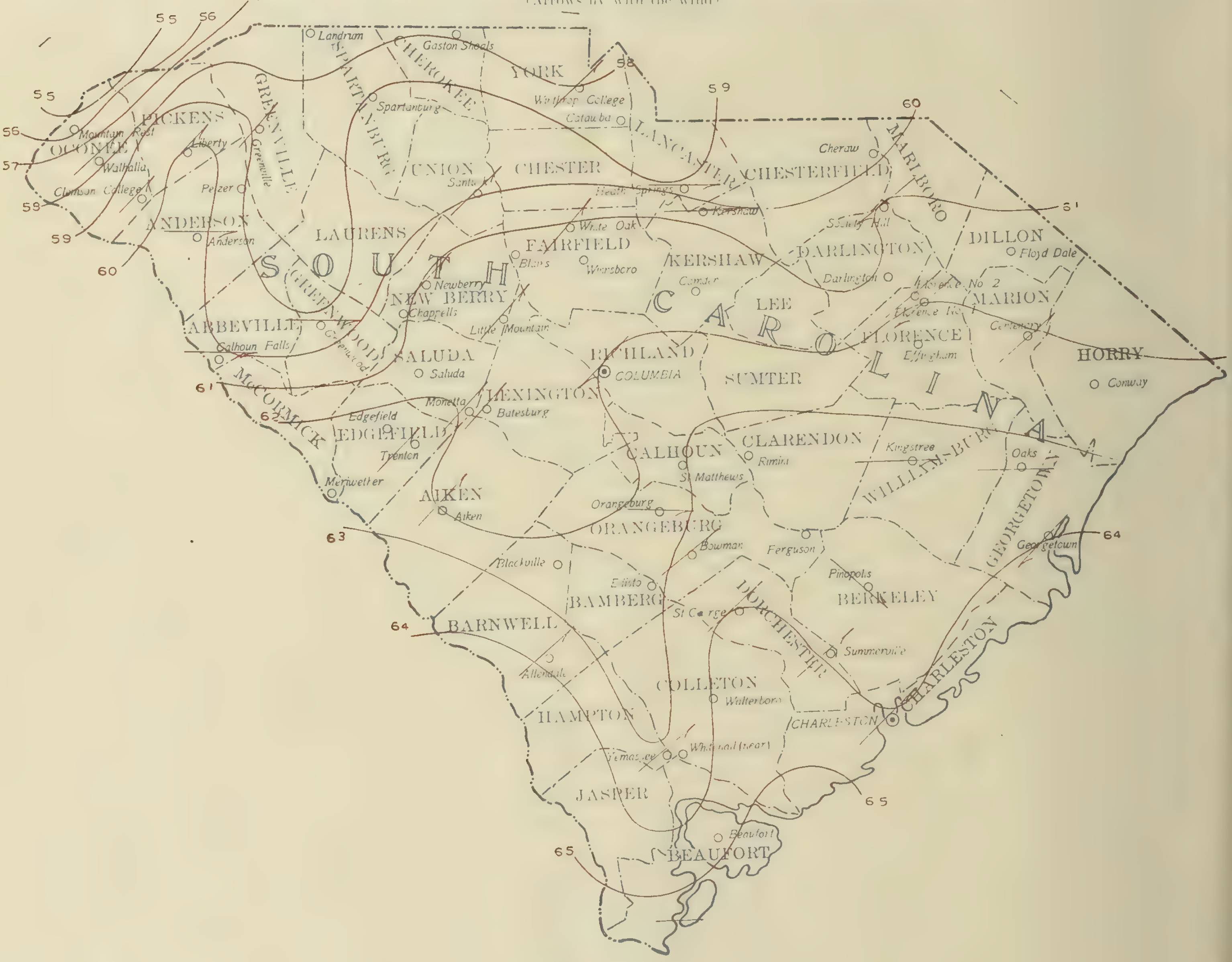
ANNUAL SUMMARY, 1917

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
February 21, 1918

MEAN TEMPERATURE AND PREVAILING WINDS FOR THE YEAR OF 1917

(Arrows fly with the wind)



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

Vol. XX. Columbia, S. C., Year, 1917. No. 13.

GENERAL SUMMARY.

Seasonal temperature and precipitation departures were even more marked than during 1916, with the coldest May and December of record. January was much warmer than usual; but with an excess of cloudiness and comparatively low maximum and high minimum temperatures, vegetation continued at about normal development. Thermal conditions ranged above the normal during the next three months, with precipitation more or less above the average, although a severe cold wave during the early part of February seriously damaged winter grains, early truck, and young tobacco plants. An extended period of rain during March, with comparatively cold nights, tended to retard the advance of vegetation, and the season opened 10 to 20 days late, notwithstanding the fact that freezing nights ended generally about the 6th. Recurring dry weather during the latter part of April was favorable for spring seeding, and farm work of all kinds proceeded with greater seasonal regularity than for some years. These conditions were followed by the coldest May of record, and germination and growth of young crops were greatly retarded by unseasonable cold during the first half of the month; and, on account of necessary replanting in large areas, cotton, corn, and truck began the season in various stages of advancement; however, the tobacco crop in the eastern counties continued in satisfactory condition. During June, which was somewhat cooler than usual, crops reflected the amount of rainfall received. Under nearly seasonable weather during July, the general outlook became the most promising for many years. While August temperatures were near normal, the lack of sufficient and timely rains resulted in a most disheartening deterioration of cotton, late corn, gardens, truck, and pastures, which continued with but little relief until the autumn. Tobacco, however, had maintained excellent condition, and a successful season closed during the month. September, October, and November averaged over 3 degrees below normal, culminating in the coldest December of record, with an unprecedentedly long period of cold, which began after the first week and continued into 1918. The gleaning of the remaining cotton in the fields was practically finished during the month.

The last general spring killing frosts occurred on March 6 and between April 7 and 11, or about 17 days earlier, on the whole, than in 1916. The first general autumn killing frosts occurred on October 30-31, or about 16 days earlier than in 1916. The average latest spring killing frost date for 1917 was March 18, or 4 days earlier than normal, and the average earliest autumn killing frost date for 1917 was October 27, or 14 days earlier than normal. The growing season of 1917 was 223 days in length, or 10 days less than normal, but it opened and closed about 17 days earlier than in 1916 and about 18 days earlier than normal. Furthermore, a loss of 10 to 20 days in growth, incident to February freezes, unseasonable weather in March and abnormal cold in May, really reduced the growing season to about 200 days.

During the growing season, March to September, inclusive, the total rainfall was 31.85 inches, or 0.70 inches below the 31-year normal. A marked deficiency of nearly 3 inches in August when most needed was nearly overcome by seasonable rainfall during the remaining months.

Freshets in the Santee and Pee Dee river districts during portions of three months of the year were attended by unavoidable losses approximating $61,035, and the value of movable property saved by timely flood warnings has been conservatively estimated at $221,200.

The annual mean temperature was 61.4°, or 1.5° below the 31-year normal. The warmest month was July, with a mean of 79.9°, or normal; coldest month, December, with an average of 37.7°, or 8.4° below normal, and the coldest December of record. The highest annual mean temperature at any station was 64.5° at Charleston; lowest annual mean, 55.0° at Mountain Rest, Oconee County. The highest temperature was 102° at Blackville, Barnwell County, Meriwether, McCormick County, and Newberry, Newberry County, on June 24; at Anderson, Anderson County, on June 24 and 26, and at Calhoun Falls, Abbeville County, on July 9 and 31 and August 1; lowest temperature, 6° below zero at Landrum, Spartanburg County, and Mountain Rest, Oconee County, on December 30.

The average annual precipitation was 43.49 inches, or 4.18 inches below the 31-year normal. The greatest annual amount at any station was 61.54 inches at Mountain Rest, Oconee County; least annual amount, 33.57 inches at Charleston. The greatest monthly amount at any station was 14.11 inches at Pinopolis, Berkeley County, in July; least monthly amount, Traces, at Georgetown, Georgetown County, and Orangeburg, Orangeburg County, in October. The greatest 24-hour amount at any station during the year was 5.65 inches at Floyd Dale, Dillon County, on September 29. The average annual number of days with measurable precipitation was 97; greatest number at any station, 124 at Walhalla, Oconee County; least number, 61 at Orangeburg, Orangeburg County.

The total amounts of snow ranged from Traces to 11.2 inches, and the snowfall was confined principally to the storms of December.

The average annual atmospheric pressure, determined from reports of 8 regular Weather Bureau stations, was 30.07 inches. The highest pressure in the region covered by reports was 30.71 inches at Asheville, N. C., on November 26, and in the Section proper, 30.66 inches at Columbia on November 27; the lowest pressure was 29.35 inches at Charlotte, N. C., on April 5, and in the Section proper, 29.41 inches at Greenville on November 22.

The average annual sunshine, determined from 8 automatic records, was 63% of the possible amount. The average annual number of clear days was 192; partly cloudy, 85, and cloudy, 88, as against normals of 169, 103 and 93 days, respectively.

The average annual relative humidity was as follows: 8 a.m., 79%; 8 p.m., 68%.

The prevailing wind was from the southwest. The average annual hourly velocity, determined from 8 anemometer records, was 8.6 miles. The highest recorded velocity during the year was 60 miles per hour at Savannah, Ga., on February 2, and at Charlotte, N. C., on April 30 and June 21, and in the Section proper, 46 miles per hour at Columbia on April 5 and at Charleston on July 8.

Earth tremors were reported during the year as follows: At Summerville, Dorchester County, April 11 and September 15, 22, and 30.

WEATHER BY MONTHS.

January.—The month was marked by unusual warmth and an excess of cloudiness, with maximum temperatures somewhat below normal and minimum temperatures somewhat higher than the average. Precipitation was slightly above normal. Under these conditions, vegetation continued in nearly normal seasonal condition.

February.—Widespread damage to all winter crops attended the extreme cold of the first half of the month, when the coldest weather since 1899 occurred. The last half was marked by unseasonably high temperatures, resulting in a mean temperature somewhat above normal. Precipitation was ample for all needs, and the snowfall was generally light and scattered.

Winter.—Mean temperature, 47.9°, or 1.6° above the normal determined for 31 years. Precipitation averaged 10.28 inches, or 0.92 inch below the 31-year normal.

March.—Precipitation was considerably above the normal, but temperatures continued near the seasonal average. Cloudy weather, with cold nights and extended periods of rain, tended to retard the advance of vegetation, and the season at the close of the month was 10 to 20 days late. The great majority of latest spring killing frosts occurred on the 6th. Unavoidable losses from freshets during late February and early March approximated $29,675, and the value of movable property saved by warnings of the Weather Bureau was estimated at $85,700.

April.—Temperatures ranged considerably above normal, and killing frosts during the first few days were confined to the northwestern counties. Precipitation was somewhat above the average. Farm work proceeded with greater seasonal regularity than for some years. The unavoidable losses from freshets approximated $23,385, while the value of movable property saved by timely warnings was estimated at $53,500.

May.—The month was the coolest May of record by 2.7°, due to abnormally cold weather between the 5th and 15th, when the minus departures averaged 12° per day. Precipitation was somewhat below normal. The prolonged cold was generally detrimental to young crops already up and resulted in irregular germination of seed. Thunderstorms, with considerable hail and frequent violent wind squalls, were numerous between the 22d and 28th, and a tornado traversed Greenwood, Saluda, Newberry, and Laurens Counties on the 22d.

Spring.—Mean temperature, 62.2°, or 0.7° below the normal determined for 31 years. Precipitation averaged 11.82 inches, or 1.67 inches above the 31-year normal.

(CONTINUED ON PAGE 104.)

COMPARATIVE DATA FOR SOUTH CAROLINA.

Year.	Temperature.			Precipitation		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly Cloudy.	Cloudy.	
1887	62.3	110	5	43.43	101	......	......	......	......
1888	61.8	108	13	54.63	104	......	......	......	sw.
1889	62.0	102	10	46.76	86	......	......	......	se. †
1890	64.4	104	11	42.29	......	......	......	......	sw.
1891	63.0	......	13	47.52	......	......	......	......	......
1892	62.4	102	6	47.36	......	......	......	......	......
1893	63.0	104	3	53.68	98	......	......	......	sw.
1894	63.5	105	−1	50.49	105	154	123	88	sw.
1895	61.9	105	−6	48.99	88	154	116	95	sw.
1896	63.9	104	5	44.95	86	163	119	84	sw.
1897	63.3	107	3	46.40	99	158	102	105	sw.
1898	63.2	106	8	49.26	107	143	111	111	sw.
1899	62.8	105	−11	46.76	95	158	104	103	sw.
1900	63.2	106	1	49.79	96	167	99	99	sw.
1901	61.1	102	2	54.98	106	167	102	96	sw.
1902	62.6	107	10	46.43	98	172	99	94	sw.
1903	62.2	105	10	50.87	103	166	95	104	sw.
1904	61.7	105	8	40.98	95	188	87	91	sw. †
1905	62.6	107	0	45.10	92	169	85	111	sw. †
1906	63.3	102	11	54.81	107	159	103	93	sw.
1907	63.3	106	12	47.79	99	157	123	75	sw.
1908	63.7	100	12	53.33	94	169	114	83	sw.
1909	63.4	105	7	44.61	91	178	113	73	sw.
1910	62.7	103	11	45.31	91	181	111	73	sw.
1911	64.9	106	16	39.80	91	161	120	84	sw.
1912	62.5	109	6	54.32	102	177	70	119	sw.
1913	63.8	109	16	47.57	93	181	81	103	sw.
1914	62.5	108	11	43.39	96	163	110	92	w.
1915	62.9	106	17	48.89	93	190	92	83	w.
1916	63.4	103	10	43.91	93	184	97	85	sw
1917	61.4	102	−6	43.49	97	192	85	88	sw.
Period.	62.9	110	−11	47.67	97	169	103	93	sw.

† Also other directions.

MONTHLY AND ANNUAL CLIMATOLOGICAL DATA FOR SOUTH CAROLINA, YEAR 1917.

Months.	Temperature.				Precipitation.			Relative humidity.		Percentage of possible sunshine.	Number of days.				Wind.	
	Mean.	Departures.	Highest.	Lowest.	Average.	Departures.	Greatest local monthly amount.	Average 8 a. m.	Average—8 p. m.		Rainy.	Clear.	Partly Cloudy.	Cloudy.	Average hourly velocity.	Prevailing direction.
January	49.7	+4.0	79	9	3.74	+0.36	5.89	86	75	46	12	10	7	14	8.9	sw.
February	47.3	+0.4	87	−2	4.11	−0.32	8.35	75	65	64	8	14	7	7	11.3	sw.
March	5.50	+0.4	88	14	5.39	+1.48	12.42	75	66	60	11	14	6	11	10.5	sw.
April	64.9	+2.5	96	28	3.34	+0.56	4.57	73	60	76	7	20	6	4	8.9	sw.
May	66.3	−5.1	98	31	3.09	−0.37	5.16	68	59	70	7	18	7	6	9.2	w.
June	76.9	−0.6	102	43	4.49	−0.52	4.60	79	69	70	8	16	10	4	7.8	sw.
July	79.9	0.0	102	52	6.56	+0.72	14.11	84	78	60	12	14	9	8	7.0	sw.
August	78.5	−0.3	102	49	3.23	−2.93	8.62	85	73	63	8	15	10	6	6.4	sw.
September	71.2	−2.9	98	40	5.75	+1.76	9.76	86	76	49	10	12	8	10	8.6	ne.
October	59.3	−3.8	90	22	1.50	−1.62	4.03	81	68	77	4	23	5	3	8.5	sw.
November	50.4	−3.4	83	16	0.82	−1.44	2.46	78	63	72	4	21	4	5	7.4	ne.
December	37.7	−8.4	82	−6	1.47	−1.86	3.35	81	69	52	6	15	6	10	9.3	ne.
Annual	61.4	*−1.5	102	−6	43.49	*−4.12	14.11	79	68	63	97	192	85	88	8.6	sw.

* From 31-year averages.

KILLING FROST OR FREEZING TEMPERATURE DATES AND GROWING DAYS.

Stations.	1917.		Averages—all records.		
	Last in spring.	First in autumn.	Last spring date.	First autumn date.	No. of growing days.
EASTERN PORTION.					
Allendale	Mch. 6	Oct. 25	Mch. 13	Nov. 16	248
Beaufort	Mch. 6	Nov. 23	Feb. 28	Nov. 30	275
Blackville	Mch. 19	Oct. 25	Mch. 19	Nov. 14	240
Bowman	Mch. 19	Oct. 22	Mch. 23	Nov. 5	227
Centenary	Mch. 19	Oct. 25	......	......	......
Charleston	Feb. 13	Nov. 25	Feb. 19	Dec. 11	295
Cheraw	Mch. 19	Oct. 25	Apr. 1	Nov. 3	216
Conway	Mch. 6	Oct. 31	Mch. 19	Nov. 8	228
Darlington	Apr. 10	Oct. 25	Mch. 22	Nov. 1	217
Ferguson	......	......	Mch. 25	Nov. 7	227
Florence (1)	Mch. 19	Oct. 31	Mch. 22	Nov. 9	232
Georgetown	Mch. 19	Nov. 3	Mch. 10	Nov. 21	256
Kingstree	Mch. 19	Oct. 25	Mch. 13	Nov. 19	251
Oaks	Mch. 19	Oct. 25	......	......	......
Orangeburg	Mch. 19	Oct. 25	......	......	......
Pinopolis	Mch. 6	Nov. 24	Mch. 4	Nov. 29	270
St. George	Mch. 6	Nov. 25	Mch. 9	Nov. 15	251
St. Matthews	Mch. 19	Oct. 24	Mch. 13	Nov. 14	246
Society Hill	Mch. 19	Oct. 25	Mch. 19	Nov. 10	236
Summerville	Mch. 6	Oct. 31	Mch. 15	Nov. 14	244
Walterboro	Mch. 10	Oct. 31	Mch. 15	Nov. 9	239
Yemassee	Mch. 6	Oct. 22	Mch. 11	Nov. 14	248
Normal	......	......	Mch. 16	Nov. 14	243
Averages for 1917	Mch. 14	Nov. 1	......	......	232
WESTERN PORTION.					
Aiken	Mch. 6	Oct. 24	Mch. 30	Nov. 10	225
Anderson	Mch. 28	Oct. 24	Mch. 28	Nov. 4	221
Batesburg	Mch. 19	Nov. 3	Mch. 29	Nov. 11	227
Calhoun Falls	Mch. 19	Oct. 13	......	......	......
Camden	......	......	Mch. 22	Nov. 8	231
Clemson College	Mch. 19	Oct. 26	Apr. 3	Oct. 31	211
Columbia	Mch. 6	Nov. 3	Mch. 20	Nov. 18	243
Greenville	Apr. 7	Oct. 24	Apr. 6	Nov. 1	209
Greenwood	Mch. 19	Oct. 24	Mch. 23	Nov. 9	231
Heath Spring	Mch. 20	Oct. 24	Mch. 27	Oct. 31	218
Kershaw	Mch. 19	Oct. 24	......	......	......
Landrum	Mch. 19	......	......	......	......
Liberty	Mch. 19	Oct. 24	Apr. 1	Nov. 1	214
Little Mountain	Mch. 6	Oct. 24	Mch. 24	Nov. 12	233
Meriwether	Mch. 19	Oct. 24	Mch. 23	Nov. 2	224
Monetta	Mch. 19	Oct. 24	Mch. 25	Nov. 4	224
Mountain Rest	Apr. 10	Oct. 1	......	......	......
Newberry	Mch. 19	Oct. 24	Mch. 30	Nov. 1	216
Saluda	Apr. 10	Oct. 22	Apr. 3	Nov. 2	213
Santuck	Apr. 10	Oct. 24	Apr. 4	Oct. 29	208
Spartanburg	Mch. 19	Oct. 14	Mch. 24	Nov. 1	221
Trenton	Mch. 19	Oct. 24	Mch. 17	Nov. 16	244
White Oak	Mch. 19	Oct. 24	Mch. 27	Nov. 14	232
Winthrop College	Mch. 19	Oct. 24	Mch. 28	Nov. 7	224
Normal	......	......	Mch. 27	Nov. 6	224
Averages for 1917	Mch. 21	Oct. 23	......	......	216
Section Normal	......	......	Mch. 22	Nov. 10	233
Section averages for 1917	Mch. 18	Oct. 27	......	......	223

NOTE.—Killing frost data in above table determined according to the following standard: Last or first clear or partly cloudy day with temperature of 32° or lower and last or first cloudy day with 31° or lower, but without rain, sleet or snow; in case of precipitation, then the next succeeding day with proper temperature and weather was used. The average number of growing days is the difference between the average spring and autumn killing frost dates.

Climatological Data for the Year 1917.

Stations.	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).								Sky.			Prevailing direction of wind.
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month	Total snowfall.	Number rainy days.	Number clear days.	Number partly cloudy days.	Number cloudy days.	
EASTERN PORTION.																				
Allendale	Barnwell	186	31	63.7	99	June 24	10	Feb. 3	36	40.54	8.84	July	0.36	Oct.	1.0	101	132	174	59	sw.
Beaufort	Beaufort	21	30		101	July 29	11	Feb. 3†	32						0.2					
Blackville	Barnwell	296	30		102	June 24	7	Feb. 3	34	40.80	7.12	July	0.75	Nov.	1.0	94	222	60	83	
Bowman	Orangeburg	160	17	62.7	101	June 24†	7	Dec. 30	17	42.09	8.43	July	0.04	Oct.	3.3	81	233	72	60	sw.
Centenary	Marion	43	2	62.4	100	June 24	6	Dec. 30	2	40.14	9.47	July	0.48	Oct.	1.9	112	134	127	104	sw.
Charleston	Charleston	48	47	64.5	95	July 28	12	Feb. 3	47	33.57	9.95	July	0.31	Nov.	1.5	107	185	93	87	sw.
Cheraw	Chesterfield	144	31	60.4	97	June 24	6	Dec. 30	35	47.00	9.34	June	1.42	Oct.	5.6	120				
Conway	Horry	25	21		97	June 24	6	Dec. 30	30	51.92	9.39	July	0.27	Oct.	2.5	99				
Darlington	Darlington	175	20	61.4	98	June 24	6	Dec. 30	23	36.78	7.66	Sept.	0.70	Aug.	1.0	96	172	38	155	
Edisto ††	Bamburg	143							30	43.96	9.06	July	0.22	Oct.	1.5	102				
Effingham	Florence	106							27	43.92	9.23	Sept.	0.88	Nov.	0.8	92				
Ferguson	Orangeburg	63	30		98	July 28	10	Dec. 30	32		11.41	July	0.20	Nov.	1.0					
Florence 1	Florence	136	30	61.7	100	July 31	7	Dec. 30	36	46.55	8.62	June	0.73	Dec.	1.0	103	212	52	91	sw.
Florence 2	Florence	136	1						36	41.25	7.95	July	1.00	Oct.	1.5	87	207	95	63	ne.
Floyd Dale	Dillon	12	21		101	June 24†			21		10.10	June								
Georgetown	Georgetown	54	25	63.6	97	July 21	7	Dec. 30	25	37.41	10.33	July	T.	Oct.	2.8	56	197	123	45	ne.
Kingstree	Williamsburg	70	30		97	June 24	8	Dec. 30	36	43.40	8.36	July	0.28	Nov.	2.0	84	217	34	114	w.
Oaks	Georgetown		2		98	June 24	7	Dec. 30	2	46.59	7.55	July	0.20	Oct.	5.8	114	155	138	72	w.
Orangeburg	Orangeburg	264	2	62.0	98	June 24	8	Dec. 30	2	39.19	9.05	July	T.	Oct.	T.	61	188	56	121	w.
Pinopolis**	Berkeley	54	21	60.7	90	July 31	10	Dec. 30	71	47.59	14.11	July	1.02	Oct.	1.0	79				nw.
Rimini	Clarendon	97							7	46.78	9.76	Sept.	0.70	Oct.	1.8	107				
St. George	Dorchester	109	31	64.3	99	June 24†	12	Dec. 30	36	40.14	8.75	July	0.35	Oct.	1.8	119	222	44	99	sw.
St. Matthews	Calhoun	269	31	62.7	98	June 1	9	Feb. 3†	36	44.41	9.64	July	0.60	Oct.	2.3	88	198	98	69	s.
Society Hill	Darlington	192	27	60.6	98	June 24†	6	Dec. 30	27	45.85	7.21	Sept.	1.36	Oct.	3.0	115	194	79	92	ne.
Summerville	Dorchester	75	20	63.8	96	June 24	10	Dec. 30	20	35.41	6.22	July	0.04	Oct.	1.3	121	112	225	28	sw.
Walterboro	Colleton	69	15		100	July 27	10	Dec. 29	15		7.86	July	0.40	Nov.						
Yemassee	Hampton	24	24	62.9	96	June 2†	8	Feb. 3	29	36.19	5.47	Sept.	0.24	Oct.	1.0	96	234	38	93	sw.
Division means and extremes.				62.7	102	June 24	6	Dec. 30		42.36	14.11	July	T.	Oct.	1.9	95	192	86	87	sw.
WESTERN PORTION.																				
Aiken	Aiken	527	28	62.3	99	June 24	6	Feb. 3	52	44.06	7.17	Sept.	0.97	Nov.	0.5	91				sw.
Anderson	Anderson	764	30		102	June 24†	2	Dec. 30	34	47.58	8.84	Mar.	0.52	Nov.	5.2	100	225	9	131	w.
Batesburg	Lexington	656	30		94	June 1†	6	Dec. 30	34	46.82	7.09	Feb.	0.51	Nov.	2.5	82	210	73	82	sw.
Blairs	Fairfield	293							13	35.25	4.70	Mar.	1.12	Nov.	7.0	98				
Calhoun Falls	Abbeville	508	1	60.5	102	July 9†	6	Feb. 3†	25	47.07	7.86	Mar.	0.41	Nov.	2.8	103	179	81	105	w.
Camden	Kershaw	222	12		99	June 24†	11	Feb. 3	52	37.42	8.35	June	0.76	Nov.	3.5	96				ne.
Catawba	York	562							12	49.98	9.99	July	0.94	Nov.	5.4	93				
Chappells	Newberry	402							13	41.83	6.24	Sept.	1.04	Nov.	4.0	83				
Clemson College	Oconee	850	23	59.0	92	July 30†	5	Feb. 3†	26	50.39	10.19	Mar.	1.04	Dec.	9.0	93	228	77	60	sw.
Columbia	Richland	351	31	62.1	97	June 24	8	Dec. 30	31	80.97	4.95	June	0.81	Oct.	2.1	112	167	94	104	ne.
Edgefield	Edgefield								5	47.09	7.37	July	0.80	Nov.	2.0	73				
Gaston Shoals††	Cherokee	680							5	39.97	5.91	Mar.	0.26	Nov.	2.4	99				
Greenville, No. 1	Greenville	989					3	Dec. 30					0.59	Nov.						
Greenville, No. 2	Greenville		26	58.7	100	June 24†	0	Dec. 30	34	58.34	10.79	Mar.	0.58	Nov.	8.3	112	185	91	89	sw.
Greenwood	Greenwood	671	31	59.4	98	June 24	5	Dec. 30	34	40.90	6.55	Mar.	0.73	Nov.	4.0	89	224	0	141	w.
Heath Spring	Lancaster	568	16	58.9	96	July 31	0	Dec. 30	16	39.55	6.66	July	0.87	Nov.	6.5	64	120	188	57	w.
Kershaw	Kershaw	500	2	60.6	101	June 24	5	Dec. 30	2	40.08	7.81	June	0.99	Nov.	7.5	102	253	9	103	w.
Landrum	Spartanburg	1063	3				−6	Dec. 30	3		11.[illegible]	Mar.	1.62	Nov.						
Liberty	Pickens	900	25	59.7	97	June 26	5	Feb. 3†	25	52.80	[illegible]	Mar.	0.94	Nov.	11.2	116	155	165	45	sw.
Little Mountain	Newberry	711	25		101	June 24	6	Dec. 30	25	34.65	5.24	July	0.89	Nov.	4.0	91	187	35	133	w.
Meriwether	McCormick	450	15		102	June 24	9	Dec. 30	15		4.55	Feb.	0.90	Dec.						
Monetta	Saluda	400	11	62.5	99	June 24	6	Feb. 3†	11	42.91	5.98	July	0.57	Nov.	1.7	109	138	171	56	sw.
Mountain Rest	Oconee	1380	2	55.0	91	June 23†	−6	Dec. 30	2	61.54	12.42	Mar.	0.82	Dec.	8.2					
Newberry	Newberry	502	26	61.3	102	June 24	5	Dec. 30	31	38.20	5.02	Mar.	0.63	Nov.	5.8	113	106	154	105	sw.
Pelzer	Anderson	850							14	52.42	9.56	Mar.	0.40	Nov.	7.5	109				
Saluda	Saluda	536	16	61.0	101	June 24	7	Feb. 3†	16.	40.35	6.43	July	1.03	Nov.	5.0	94	223	77	65	sw.
Santuck	Union	512	25	60.3	101	June 24	4	Dec. 30	25	34.73	6.21	Mar.	0.48	Nov.	4.8	104	182	112	71	sw-w.
Spartanburg	Spartanburg	875	30	58.6	99	June 26†	−1	Dec. 30	36	40.23	9.03	Mar.	0.43	Nov.	9.5					
Trenton	Edgefield	620	25		100	July 29†	6	Feb. 3	25		6.59	Mar.								sw.
Walhalla	Oconee	1061							16	60.52	11.56	Mar.	0.56	Nov.	7.4	124	170	118	77	sw.
White Oak	Fairfield	548	2	61.2	99	June 24	5	Dec. 30	2	43.99	5.82	Sept.	1.09	Dec.	5.5	94	218	81	66	sw.
Winthrop College ††	York	690	18	58.2	97	June 24†	3	Dec. 30	18	40.61	7.25	July	1.46	Nov.	8.0	68	154	155	56	ne.
Division means and extremes.				60.2	102	June 24†	−6	Dec. 30		44.18	12.42	Mar.	0.26	Nov.	5.6	97	192	86	87	sw.
Section means and extremes.				61.4	102	June 24†	−6	Dec. 30		43.49	14.11	July	T.	Oct.	3.9	97	192	85	88	sw.

† On other dates also.
** Temperature data are from observed readings of the dry bulb; means are computed from observed readings.
†† Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

Monthly and Annual Precipitation for the Year 1917, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
EASTERN PORTION.																										
Allendale	3.84	+0.99	2.87	−1.28	6.05	+2.23	2.55	+0.09	1.68	1.69	2.87	−2.53	8.84	+3.33	4.22	−1.54	5.30	+1.41	0.36	−2.42	0.68	−0.98	1.28	−1.48	40.54	−3.87
Beaufort	2.51	−0.34	3.87	−0.12	3.41	0.00	1.98	−0.38	.....	.....	6.13	+1.10	4.47	−1.60	6.21	−0.95	4.85	−0.38	.....	.....	.....	.....	.....	.....	.....	.....
Blackville	2.80	−0.10	4.08	0.39	3.40	0.29	3.67	+0.37	2.31	−1.15	4.49	−1.13	7.12	+1.80	2.30	−3.47	7.32	+2.95	1.30	−1.68	0.75	−1.30	1.26	−2.22	40.80	−6.61
Bowman	5.72	+2.60	2.89	−1.34	4.90	+0.71	2.89	0.59	3.71	+0.30	2.20	−3.54	8.43	+2.89	3.00	−2.92	7.12	+3.66	0.04	−2.71	0.85	−1.12	0.34	−3.18	42.09	−5.24
Centenary	3.78	.....	2.14	.....	2.68	.....	2.01	.....	2.96	.....	6.43	.....	9.47	.....	3.13	.....	5.39	.....	0.48	.....	0.87	.....	0.80	.....	40.14	.....
Charleston	2.69	−0.76	2.07	−1.34	3.05	0.67	0.97	−2.02	3.80	+0.33	1.92	−3.47	9.95	+2.69	5.06	−1.91	2.34	−3.12	0.33	−3.60	0.31	−2.56	1.08	−2.07	33.57	(1)
Cheraw	3.08	+0.26	4.07	−0.25	2.55	1.17	3.42	†0.64	5.16	+1.62	9.34	+4.01	6.63	+0.85	2.38	−4.01	4.52	+0.90	1.42	−1.43	2.46	−0.27	1.97	−1.30	47.00	+0.39
Conway	5.42	+2.01	1.88	2.71	4.07	+0.37	2.65	−0.26	1.74	−1.62	6.86	+1.79	9.39	+2.90	8.62	+1.56	6.99	+2.14	0.27	−3.23	0.68	−1.60	3.35	+0.15	51.92	+1.50
Darlington	2.38	0.12	1.06	−3.54	3.13	−0.18	3.90	+0.75	2.63	0.72	5.03	−0.70	6.01	+1.18	0.70	−4.25	7.66	+3.83	0.83	−2.51	2.27	−0.01	1.18	−1.61	36.78	−7.78
Edisto	4.94	+1.87	3.38	−1.63	4.30	+0.24	2.83	−0.79	3.01	−0.02	4.31	−2.28	9.06	+3.42	3.42	2.92	6.64	+2.99	0.22	−2.15	0.56	−1.75	1.29	−2.17	43.96	−5.19
Effingham	4.37	+0.97	2.85	−2.58	2.77	−1.30	3.45	+0.27	2.84	−0.53	5.50	−0.85	6.43	+1.95	2.36	−4.05	9.23	+5.71	1.72	−1.33	0.88	−1.36	1.52	−1.78	43.92	−4.88
Ferguson	4.14	+0.80	3.11	−0.97	5.26	+1.87	3.97	+1.17	4.55	+0.38	6.93	+1.09	11.41	+5.49	2.31	−5.02	.....	.....	.....	.....	0.20	−2.18	1.27	−1.76	.....	.....
Florence 1	4.36	+1.62	2.50	−2.00	2.71	−0.32	3.19	+0.29	3.28	−0.27	8.62	+3.21	6.04	+0.79	6.56	+1.11	6,67	+2.56	0.99	−2.12	0.90	−1.21	0.73	−2.05	46.55	+1.66
Florence 2	3.95	+1.21	2.64	1.86	2.63	−0.40	2.79	0.11	3.21	−0.34	7.10	+1.69	7.95	+2.70	1.44	−4.01	5.37	+1.26	1.00	−2.11	1.30	−0.81	1.87	−0.91	41.25	+3 64
Floyd Dale	.....	.....	.....	.....	.....	.....	.....	.....	3.06	−0.09	10.10	+3.60	7.81	+2.10	2.70	−2.31	8.13	+3.92	.....	.....	.....	.....	.....	.....	.....	.....
Georgetown	1.90	−1.45	0.60	3.94	3.45	0.00	1.90	−1.40	4.40	+1.46	3.30	−2.59	10.33	+3.38	3.00	−4.04	6.70	+2.53	T.	−3.68	0.35	−2.08	1.48	−2.07	37.41	(2)
Kingstree	3.66	+0.69	3.10	−1.13	4.23	+0.78	2.96	+0.15	1.54	−1.30	6.11	+0.77	8.36	+2 76	2.51	4.33	7.23	+3.47	1.05	−1.90	0.28	−1.90	2.37	−0.75	43.40	−3.69
Oaks	5.05	.....	2.04	.....	4.09	.....	2.76	.....	2.88	.....	6.01	.....	7.55	.....	5.44	.....	7.49	.....	0 20	.....	0.70	.....	2.38	.....	46.59	.....
Orangeburg	4.96	.....	2.60	.....	4.62	.....	3.45	.....	1.50	.....	2.96	.....	9.05	.....	3.17	.....	5.17	.....	T.	.....	0.61	.....	1.10	.....	39.19	.....
Pinopolis	2.25	−0.85	2.39	−1.13	4.45	+0.80	4.05	+1.08	3.64	−0.21	2.22	−3.71	14.11	+7.02	2.82	−4.27	6.64	+2.05	1.02	−2.11	1.90	−0.60	2.10	−1.86	47.59	−1.98
Rimini	4.08	.....	4.05	.....	6.13	.....	2.53	.....	2.11	.....	5.28	.....	8.11	.....	1.01	.....	9.76	.....	0.70	.....	0.77	.....	2.25	.....	46.78	.....
St. George	2.57	−0.10	2.77	1.38	4.41	+0.88	2.79	−0.22	3.09	−0.09	4.16	−1.27	8.75	+2.74	2.00	−4.48	7.42	+3.36	0.35	−2.01	0.42	−1.53	1.41	−1.69	40.14	−7.79
St. Matthews	4.43	+1.37	2.46	−2.48	3.24	−0.28	3.44	+0.20	2.02	−1.37	5.49	−0.48	9.64	+4.23	1.07	−4.66	8.88	+5.24	0.60	−2.09	1.15	−0.99	1.99	−1.28	44.41	−2.59
Society Hill	3.54	+0.63	3.16	−1.60	3.11	−0.25	3.26	0.03	3.89	+0.67	5.93	+0.10	6.94	+0.75	3.52	−2.44	7.21	+3.19	1.36	−1.77	2.08	−0.19	1.85	−1.41	45.85	−2.35
Summerville	2.97	−0.13	2.17	−2.27	3.99	+0.56	2.95	−0.53	3.71	+0.70	3.74	−2.02	6.22	+0.20	1.97	−6.05	5.86	+1.54	0.04	−3.90	0.30	−2.05	1.49	−2.06	35.41	(3)
Walterboro	.....	.....	2.44	1.88	5.00	+1.14	4.57	†1.24	3.36	−0.29	4.74	−1.44	7.86	+0.52	4.17	−2.84	5.43	+0.57	1..04	−2.22	0.40	−1.49	1.50	−1.85	.....	.....
Whitehall (near)	.....	.....	.....	.....	.....	.....	3.02	.....	2.80	.....	3.31	.....	5.26	.....	4.32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yemassee	2.74	−0.05	2.62	−1.41	4.51	+0.94	2.76	−0.21	3.37	+0.07	3.40	−2.78	5.46	−1.29	3.55	−3.14	5.47	+1.23	0.24	−2.69	0.44	−1.62	1.63	−1.58	36.19	(4)
Division means and departures.	3.69	+0.71	2.68	−1.71	3.93	+0.32	2.99	−0.07	3.06	−0.31	5.17	−0.73	7.87	+2.01	3.31	−3.13	6.57	+1.27	0.65	2.69	0.84	−1.31	1.58	−2.80	42 34	−6.25
WESTERN PORTION.																										
Aiken	4.20	+0.60	3.94	−0.14	5.29	+1.28	4.04	+0.92	2.44	−0.96	2.97	−1.75	6.92	+2.38	3.59	−2.15	7.17	+3.90	1.32	1.40	0.97	−1.77	1.21	−2.58	44.16	−1.67
Anderson	3.94	+0.19	6.60	+1.10	8.84	+3.81	4.25	+0.98	3.14	+0.50	1.33	−3.36	3.53	−1.79	6.24	+0.25	5.43	+1.88	2.24	−0.60	0.52	−2.32	1.52	−3.26	47.58	−2.58
Batesburg	5.80	+2.43	7.09	+1.35	5.39	+0.83	3.75	+0.84	3.79	+0.37	5.62	+0.54	5.35	0.08	2.10	3.92	3.42	−0.47	1.52	1.73	0.51	−2.05	2.48	−1.38	46.82	−3.27
Blairs	2.75	−0.36	4.19	+0.29	4.70	+1.13	2.79	+0.68	2.33	−0.21	3.05	−1.99	4.40	−0.70	1.78	−2.85	3.70	+0.88	3.12	−0.44	1.12	−1.22	1.32	−2.68	35.25	−6.59
Calhoun Falls	4.01	+0.66	5.71	+0.55	7.86	+3.04	2.96	−0.62	5.06	+1.53	1.81	−3.06	4.24	−0.50	5.87	+1.01	5 85	+1.85	1.95	−0.90	0.41	−1.90	1.34	−3.08	47.07	−1.42
Camden	3.23	−0.11	3.49	−0.65	3.43	−0.20	4.32	+1.21	2.13	−1.08	8.35	+3.82	3.25	−1.60	1.23	−4.15	5.48	+1.66	0.96	−1.77	0.76	−1.59	0.79	−2.54	37.42	−7.01
Catawba	2.72	−0.48	4.77	+0.26	5.05	+0.92	3.18	+0.78	4.70	+1.38	4.67	−0.76	9.99	+4.25	3.04	−2.33	5.64	+2.43	4.03	+0.40	0.94	−1.50	1.25	−3.05	49.98	+2.30
Chappells	3.69	+0.84	4.82	+1.11	6.04	+2.48	2.80	+0.60	2.50	0.03	2.42	−1.86	6.19	+1.92	2.23	−3.25	6.24	+3.18	2.29	0.52	1.04	−1.34	1.57	−3.20	41.83	−0.10
Clemson College	4.52	−0.03	7.86	+2.44	10.19	+5.35	3.71	−0.07	3.14	−0.27	4.47	−0.47	3.83	−1.40	3.24	−2.23	5.57	+1.35	1.73	−1.61	1.08	−1.68	1.05	−4.08	50.39	−2.70
Columbia	2.90	−0.39	3.07	−1.52	2.54	−1.16	2.82	−0.04	2.72	−0.47	4.95	+0.77	4.41	−1.65	1.52	−5.26	3.07	−0.38	0.81	−2.04	0.92	−1.31	1.24	−1.66	30.97	(5)
Edgefield	4.43	.....	4.75	.....	6.73	.....	4.18	.....	3.90	.....	4.04	.....	7.37	.....	3.79	.....	5.17	.....	1.05	.....	0.80	.....	0.88	.....	47.19	.....
Gaston Shoals	3.61	0.23	5.48	+1.08	5.91	+1.20	3.21	−0.01	2.83	−0.14	4.81	−0.46	4.18	−3.80	2.02	−3.44	4.16	+1.19	2.12	−0.67	0.26	−2.31	1.38	−3.30	39.97	(6)
Greenville, No. 1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.98	−0.98	0.59	−2.59	1.00	−3.65	.....	.....
Greenville, No. 2	4.48	+0.23	6.34	+1.06	10.79	+5.29	3.98	+0.30	3.35	−0.97	3.22	−1.99	8.19	+2.77	5.95	−0.13	7.83	+3.92	2.35	−0.61	0.58	−2.60	1.28	−3.37	58.34	+3.90
Greenwood	3.27	−0.32	5.17	+0.36	6.55	+2.48	2 80	0.13	3.52	−0.10	2.32	−1.98	2.26	−2.83	3.05	−2.41	6.54	+2.75	3.25	+0.42	0.73	−2.02	1.44	−3.04	40.90	−6.52
Heath Spring	3.07	−0.18	5.68	+1.40	3.21	−0.46	4.43	+1 50	1.77	−1.43	6.32	+0.71	6.66	+2.41	1.55	−4.80	3.00	−0.18	1.84	−0.79	0.87	−1.70	1.15	−3.11	39.55	−6.63
Kershaw	3.61	.....	4.70	.....	3.40	.....	3.80	.....	3.08	.....	7.81	.....	4.63	.....	1.32	.....	3.71	.....	1.46	.....	0.99	.....	1.57	.....	40.08	.....
Landrum	4.06	.....	4.69	.....	11.61	.....	3.99	.....	3.45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.02	.....	1.83	.....	.....	.....
Liberty	3.30	−0.97	8.35	+2.56	10.99	+5.58	4.25	−0.38	2.36	−2.03	2.60	−2.80	5.12	−0.68	3.15	−3.61	7.88	+3.82	2.12	−1.64	0.94	−1.85	1.74	−4.47	52.80	−6.47
Little Mountain	3.18	+0.12	3.80	−0.99	3.57	−0.30	3.21	+0.04	2.10	−0.75	3.50	−1.11	5.24	+0.50	2.48	−2.82	3.36	+0.40	1.85	−1.16	0.89	−1.62	1.47	−1.82	34.65	−9.51
Meriwether	4.24	+0.30	4.55	−0.03	4.31	−0.15	3.88	+0.95	3.96	+1.48	2.73	−2.00	3.58	−1.37	1.39	−3 47	.....	.....	1.13	−1.22	1.11	−1.57	0.90	−3.02	.....	.....
Monetta	4.02	+0.78	5 28	+0.45	5.08	+1.21	3.88	+1.25	3.91	+1.45	5.58	−0.10	5.98	+1.62	2.48	−2.53	2.94	−0.64	1.40	−1.94	0.57	−1.60	1.79	−1.52	42.91	−1.52
Mountain Rest	5.89	.....	7.66	.....	12.42	.....	4.42	.....	2.70	.....	4.16	.....	6.19	.....	6.08	.....	6.20	.....	3.89	.....	1.11	.....	0.82	.....	61.54	.....
Newberry	3.42	−0.03	5.00	+0.86	5.02	+1.17	3.02	+0.25	2.92	−0.04	2.58	−1.78	4.88	+0.44	2.45	−2.99	3.86	+0.83	2.74	−0.01	0.63	−2.34	1.66	−3.26	38.20	−6.88
Pelzer	4.40	+0.66	6 56	+2.08	9.56	+4.76	4.32	+0.78	3.04	−0.70	2.66	−1.86	5.95	+0.65	2.64	−1.85	8.61	+5.40	3.00	−0.31	0.40	−2.15	1.28	−4.18	52.42	+3.28
Saluda	4.14	+0.81	5.41	+0.67	5.43	+1.37	3.13	+0.66	3.02	+0.48	2.05	−2.97	6.43	+2.22	1.95	−3.92	3.29	−0.01	2.00	−1.04	1.03	−1.50	2.47	−1.54	40.35	−4.77
Santuck	2.91	−0.55	4.74	−0.20	6.21	+1.75	3.17	−0.11	2.10	−0.85	2.45	−1.78	5.03	+0.08	1.23	−4.59	3.69	+0.22	1.52	−1.73	0.48	−2.33	1.20	−3.08	34.73	(7)
Spartanburg	3.59	−0.07	4.36	0.45	9.03	+4.23	3.87	+0.63	2.96	−1.24	2.62	−2.57	2.82	−1.48	2.51	−3.14	4.70	+1.12	2.19	−0.48	0.43	−2.43	1.15	−3.22	40.23	−9.10
Trenton	3.95	+0.79	5.13	−0.29	6.59	+2.16	3.75	+0.42	4.94	+2.08	2.40	−2.27	2.97	−2.68	4.75	−1.73	3 59	+0.22	1.75	−1.55	.....	.....	.....	.....	.....	.....
Walhalla	5.32	+1.13	7.95	+2.78	11.56	+5 54	4.23	−0 39	3.21	0.82	4.26	−0.94	6.00	+0.04	6.51	+0.49	6.08	+0.63	3.50	+0.54	0.56	−1.85	1.34	−3.02	60.52	+4.13
White Oak	3.02	−0.26	3.96	−0.34	3.78	−0.16	3.44	+0.80	2.87	−0 31	4.58	−0.16	5.02	+0.11	5.77	+0.20	5.82	+2.36	3.54	+0.52	1.10	−1.15	1.09	−2.50	43.99	−0.89
Winthrop College	2.02	−1.00	4.07	−0.05	5.73	+1.78	3.15	+0.13	2.43	−1.73	4.35	−1.03	7.25	+2.36	2.32	−3.49	3.58	+0.30	2.55	−0.36	1.46	−0.90	1.70	−2.89	40.61	−6.88
Division means and departures.	3.78	+0.31	5.35	+0.66	6.61	+2.24	3.64	+0.38	3.11	−0.33	3.82	−1.06	5.34	+0.96	3.16	−2.45	5.02	+1.41	2.17	−0.81	0.80	−1.80	1.38	−1.71	44.18	−3.49
Section means and departures.	3.74	+0.36	4.11	−0.32	5.39	+1.48	3.34	+0.56	3.09	−0.37	4.49	−0.52	6.56	+0.72	3.23	−2.93	5.75	+1.76	1.50	−1.62	0.82	−1.44	1.47	−1.86	43.49	−4.12

The departures from the normal precipitation are computed only for such stations as have ten or more years of record.

(1) 18.50. (2) −13.88. (3) −16.01. (4) 11.53. (5) 15.11. (6) 10.89. (7) −13.17.

Monthly and Annual Mean Temperatures for the Year 1917, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
EASTERN PORTION.																										
Allendale	52.0	+4.3	49.4	+1.2	58.4	+0.7	67.4	+3.4	69.2	-4.0	79.6	+0.2	81.4	+0.1	79.9	-0.5	72.7	-3.3	61.4	-3.5	52.6	-2.7	40.6	-6.5	63.7	-0.9
Beaufort	^{c}54.5	+3.8	50.7	-0.9	59.7	+0.7	67.2	+2.4	......	......	^{g}77.4	-2.0	^{a}80.3	-0.8	^{b}79.2	-1.6	72.0	-5.2	......	......	......	......	......	......	......	......
Blackville	52.8	+5.7	50.0	+2.8	58.0	-0.1	66.6	+2.7	68.4	-5.1	79.1	-0.6	80.8	-0.9	80.8	+0.2	73.8	-2.0	......	......	52.4	-3.1	42.3	-5.0	......	......
Bowman	53.0	+5.0	49.9	+2.5	56.3	-1.9	64.8	+1.3	67.3	-5.0	77.0	-1.0	80.4	0.0	79.0	-0.4	73.7	-1.5	60.4	-3.8	51.3	-2.9	39.4	-8.0	62.7	-1.3
Centenary	^{a}51.7	......	49.8	......	56.8	......	65.2	......	66.6	......	77.4	......	79.6	......	78.2	......	71.8	......	61.2	......	53.0	......	40.0	......	62.4	......
Charleston	54.6	+5.3	50.8	-0.9	59.4	+2.2	67.2	+3.4	70.2	-2.2	77.6	-0.9	80.8	-0.5	80.2	-0.1	73.4	-2.8	63.7	-3.4	54.4	-3.7	42.0	-9.3	64.5	......
Cheraw	47.6	+4.3	45.9	+1.4	53.4	-0.5	64.3	+3.2	65.4	-5.3	76.0	-1.3	79.4	-0.5	78.2	-0.4	70.4	-2.9	59.3	-2.3	49.0	-2.9	36.0	-8.1	60.4	-1.3
Conway	51.0	+2.9	48.0	+0.7	^{c}55.4	-1.4	......	......	67.2	-3.8	77.0	-0.1	80.2	+0.1	79.0	-0.3	71.5	-3.3	61.2	-3.0	50.2	-3.9	38.4	-9.5	......	......
Darlington	^{a}49.2	+3.6	^{a}46.0	+1.4	54.6	-1.7	65.1	+3.4	66.5	-4.9	76.6	-0.3	80.3	+0.3	79.4	+0.6	71.2	-3.1	60.0	-3.4	50.4	-1.7	^{a}37.3	-7.9	61.4	-1.1
Ferguson	50.5	+3.2	48.8	+1.1	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	^{d}52.2	-2.9	41.0	-7.2	......	......
Florence 1	49.1	+4.1	46.4	+1.2	54.4	-1.6	65.5	+3.6	66.2	-6.3	77.7	-1.2	80.4	-1.0	78.4	-1.9	71.0	-3.8	60.9	-2.5	^{a}50.9	-3.2	39.6	-5.3	61.7	-1.5
Georgetown	53.0	+4.6	50.1	+1.6	57.2	-0.7	66.6	+3.1	68.4	-3.8	77.1	-1.5	^{a}81.2	+0.6	80.0	-0.1	73.6	-2.3	62.6	-2.8	51.9	-4.1	41.6	-7.4	63.6	-1.1
Kingstree	50.6	+3.1	48.0	+0.9	56.4	-0.9	65.7	+3.2	67.4	-4.7	77.5	-0.8	......	......	^{c}79.6	-0.2	71.8	-3.4	60.8	-3.8	49.8	-5.0	38.4	-9.3	......	......
Oaks	52.1	......	49.8	......	......	......	^{f}66.3	......	67.4	......	^{a}76.3	......	79.6	......	^{c}78.9	......	^{e}75.2	......	^{b}62.8	......	^{c}53.6	......	^{e}43.4	......	......	......
Orangeburg	51.2	......	47.4	......	55.8	......	66.1	......	66.8	......	77.6	......	81.2	......	79.6	......	71.6	......	60.4	......	49.5	......	37.0	......	62.0	......
Pinopolis	^{c}52.5	+5.2	49.7	+1.6	57.8	+0.4	62.8	+0.4	64.6	-6.4	74.4	-2.2	75.8	-2.6	75.2	-2.7	68.8	-5.4	56.6	-7.6	50.4	-4.2	^{f}40.1	-7.3	60.7	-2.6
St. George	54.5	+7.1	52.2	+5.1	^{a}59.2	+1.3	67.9	+4.3	68.8	-4.1	77.8	-0.9	80.0	-0.8	79.2	-0.7	72.8	-2.4	63.2	-1.3	53.7	-1.5	41.9	-5.8	64.3	+0.1
St. Matthews	50.8	+4.8	48.3	+2.4	56.4	+0.3	67.2	+4.7	68.4	-3.6	78.0	+0.2	80.4	+0.5	79.6	+0.3	71.3	-3.1	61.1	-2.8	52.0	-2.5	38.5	-7.8	62.7	-0.5
Society Hill	47.8	+3.9	46.0	+1.6	53.4	-1.8	^{b}64.5	+2.7	^{a}65.9	-5.1	^{a}76.8	-0.3	80.0	+0.5	^{b}78.8	+0.4	^{b}70.0	-3.2	59.0	-2.8	49.4	-2.8	36.2	-8.8	60.6	-1.4
Summerville	54.3	+5.3	51.9	+3.1	59.6	+0.9	66.4	+3.1	68.1	-3.9	77.4	0.0	80.4	+0.5	79.2	-0.1	72.2	-2.8	63.1	-1.8	51.8	-3.6	42.2	-6.7	6.38	-0.6
Walterboro	......	......	53.4	+3.0	^{e}60.0	-0.8	......	......	68.5	-4.5	78.6	+0.2	^{a}81.2	+1.1	^{b}81.6	+1.2	^{a}75.7	-1.2	......	......	......	......	......	......	......	......
Yemassee	53.2	+5.3	50.0	+1.6	58.6	+0.4	65.6	+1.8	67.2	-5.8	77.0	-1.8	79.2	-1.8	78.0	-2.2	72.3	-3.3	61.4	-3.4	50.8	-4.3	41.3	-6.4	62.9	-2.9
Division means and departures.	51.7	+4.4	48.9	+1.6	57.1	-0.1	65.8	+2.8	67.5	-4.6	77.3	-0.7	80.4	+0.1	79.2	-0.3	72.2	-2.8	61.1	-3.1	51.4	-3.3	39.9	-4.3	62.7	-1.1
WESTERN PORTION.																										
Aiken	52.1	+5.0	49.6	+0.6	57.4	+1.2	66.9	+3.6	67.6	-5.6	77.6	-1.4	^{f}79.2	-2.0	79.2	-1.1	72.6	-3.9	61.7	-3.8	53.2	-1.4	40.6	-7.1	62.3	-2.3
Anderson	48.2	+3.5	45.4	+1.5	52.6	-1.8	^{c}66.0	+4.7	66.0	-4.6	77.6	+1.2	......	......	79.7	+1.1	72.0	-2.4	......	......	^{j}49.9	-2.9	^{a}34.8	-9.2	......	......
Batesburg	49.0	+3.6	45.4	+0.6	53.0	-2.1	65.3	+3.8	65.8	-5.7	77.0	-0.8	79.2	-0.5	77.5	-1.2	70.6	-3.3	59.3	-3.7	50.2	-3.5	......	......	......	......
Calhoun Falls	47.8	......	44.4	......	51.8	......	64.3	......	65.5	......	77.8	......	81.3	......	79.1	......	71.5	......	57.4	......	49.3	......	35.4	......	60.5	......
Camden	......	......	......	......	......	......	......	......	^{l}68.5	-1.4	^{i}78.6	+2.5	......	......	......	......	......	......	......	......	^{m}51.3	-0.1	39.1	-5.8	......	......
Clemson College	46.7	+4.2	46.4	+3.9	52.4	-0.5	62.5	+3.1	64.2	-5.1	73.8	-2.0	77.5	-0.3	^{c}75.7	-2.0	^{e}68.4	-4.4	56.0	-5.3	49.0	-1.4	35.3	-7.3	59.0	-1.4
Columbia	50.4	+5.3	47.9	+0.1	55.2	+1.2	65.8	+3.0	67.0	-4.8	77.6	-0.6	80.5	-0.6	79.0	-0.5	71.5	-2.2	60.8	-3.2	51.5	-2.3	37.9	-9.3	62.1	......
Greenville, No. 1	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	^{p}55.0	-4.9	50.0	+0.3	33.8	-7.4	......	......
Greenville, No. 2	44.9	+4.2	43.4	+2.9	49.7	-0.9	62.6	+5.2	64.0	-3.1	75.8	+1.8	78.9	+2.5	77.0	+1.8	69.4	-1.4	^{h}55.8	-4.1	48.9	-0.8	34.3	-6.9	58.7	+0.1
Greenwood	48.0	+5.2	44.7	+1.7	50.8	-2.4	63.7	+3.0	63.7	-7.7	76.0	-2.0	79.1	-0.9	77.1	-1.7	68.9	-4.6	56.4	-5.6	50.2	-1.8	34.2	-9.1	59.4	-2.2
Heath Spring	45.8	+2.7	45.0	+3.0	50.4	-3.7	60.9	+0.5	64.3	-6.5	74.2	-2.9	77.4	-3.0	76.6	-2.8	67.7	-6.1	58.3	-3.2	49.6	-1.3	^{c}37.0	-5.0	58.9	-2.4
Kershaw	47.0	......	44.1	......	52.6	......	64.8	......	66.6	......	77.3	......	80.5	......	78.8	......	70.9	......	58.9	......	50.0	......	36.1	......	60.6	......
Landrum	45.4	......	42.0	......	50.2	......	62.6	......	63.4	......	......	......	......	......	......	......	......	......	......	......	^{a}51.1	......	35.0	......	......	......
Liberty	46.4	+3.6	45.2	+2.7	51.3	-1.8	63.9	+3.6	65.9	-4.1	76.0	-0.3	79.5	+0.3	77.0	-1.1	70.0	-2.9	56.7	-4.7	49.0	-1.7	35.0	-7.8	59.7	-1.1
Little Mountain	49.3	+4.0	47.2	+2.0	^{m}52.4	-3.7	......	......	67.1	-5.1	78.3	+0.4	80.2	-0.2	79.5	+0.1	71.2	-3.8	60.0	-4.1	50.9	-2.9	37.2	-8.4	......	......
Meriwether	......	......	......	......	56.9	+0.1	^{c}66.0	+3.5	^{a}66.8	-4.0	^{d}78.8	+1.3	81.3	+1.1	^{p}79.8	+1.0	......	......	^{c}58.4	-5.0	^{k}48.6	-4.1	......	......	......	......
Monetta	50.4	+2.3	48.4	+0.6	56.6	+0.8	66.6	+2.6	67.5	-4.7	77.8	+0.6	80.3	+0.6	79.2	+0.4	72.0	-2.3	61.0	-3.1	51.8	-2.6	38.6	-7.2	62.5	-1.0
Mountain Rest	45.5	......	^{d}41.7	......	49.5	......	58.8	......	^{b}56.9	......	68.9	......	73.5	......	71.1	......	^{a}65.3	......	51.0	......	^{a}45.3	......	31.9	......	55.0	......
Newberry	48.4	+3.6	47.0	+2.8	53.6	-1.6	64.8	+2.8	66.6	-4.7	78.0	-0.4	81.0	+0.2	79.4	0.0	71.6	-3.2	59.4	-3.1	50.0	-1.8	36.2	-8.4	61.3	-1.2
Saluda	48.8	+3.4	47.4	+1.0	53.9	-3.3	64.4	+1.9	65.5	-6.1	77.6	-0.4	79.8	-0.7	78.8	-0.6	72.8	-1.6	58.4	-4.5	48.3	-4.7	36.4	-9.3	61.0	-2.1
Santuck	47.8	+4.8	45.6	+3.0	51.7	-1.9	64.1	+3.9	65.5	-4.9	77.0	+0.3	79.9	+0.3	78.8	+0.3	70.8	-2.6	58.2	-3.3	49.0	-2.1	35.1	-8.1	60.3	+0.9
Spartanburg	45.2	+3.5	^{a}42.4	+0.1	49.7	-1.7	62.9	+3.0	64.3	-5.8	75.6	-0.5	79.2	+0.2	77.6	-0.3	68.8	-3.9	56.0	-4.9	48.2	-2.4	33.2	-8.6	58.6	+1.8
Trenton	^{d}47.9	+1.5	47.6	+1.5	55.4	-1.2	66.2	+3.6	66.8	-5.6	^{b}77.3	-1.2	79.0	-1.5	78.4	-1.2	71.6	-3.7	59.8	-4.5	......	......	......	......	......	......
White Oak	48.8	+5.2	47.2	+1.9	53.9	+0.4	65.4	+4.3	66.6	-4.6	77.0	+0.3	79.8	+0.2	78.5	+0.3	70.2	-3.2	60.0	-2.3	50.8	-2.0	36.6	-7.5	61.2	-0.6
Winthrop College	45.3	+1.8	43.8	+1.1	51.0	-2.9	63.4	+2.9	63.8	-6.4	74.7	-1.3	77.4	-2.5	^{a}75.8	-2.8	67.2	-6.0	55.8	-6.1	46.0	-5.7	34.0	-9.1	58.2	-3.1
Division means and departures.	47.7	+3.6	45.5	+1.2	52.9	-1.4	64.2	+3.2	65.4	-5.4	76.6	-0.4	79.3	-0.1	77.9	-0.6	70.2	-3.6	57.5	-4.8	49.7	-2.4	35.9	-11.5	60.2	-1.6
Section means and departures.	49.7	+4.0	47.3	+0.4	55.0	+0.4	64.9	+2.5	66.3	-5.1	76.9	-0.6	79.9	0.0	78.5	-0.3	71.2	-2.9	59.3	-3.8	50.4	-2.4	37.7	-8.4	61.4	-1.5

The departures from the normal temperature are computed only for such stations as have ten or more years of record.
Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing: For example, ^{b} represents two days missing, etc.

Monthly Maximum Temperatures for the Year 1917, with Dates.

Stations	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.
EASTERN PORTION.																								
Allendale	76	†3	83	28	84	12	92	20	97	27	99	24	97	†29	98	2	97	9	87	†5	76	7	73	†3
Beaufort	[c]76	†26	80	28	85	31	90	20	.....	.....	[f]93	2	[a]101	29	[b]95	26	95	2	.....	.....	.....	.....	.....	.....
Blackville	77	4	83	26	87	12	94	†19	95	†21	102	24	99	†28	99	†1	95	8	.....	.....	80	9	73	2
Bowman	78	3	83	28	84	12	93	20	94	†21	101	24	101	†30	100	1	95	†2	86	16	78	19	73	4
Centenary	[a]77	†21	83	28	82	12	95	20	95	†20	100	24	96	31	96	2	93	8	87	†5	77	†11	82	4
Charleston	76	30	78	28	84	12	92	20	91	19	88	29	95	28	94	10	93	9	84	5	75	19	73	3
Cheraw	73	31	77	27	79	31	91	19	92	21	97	24	96	†30	96	†1	92	†2	84	†5	73	†7	68	3
Conway	77	31	77	24	[e]77	11	.....	.....	94	†19	97	24	97	31	95	†1	93	2	86	5	77	12	75	3
Darlington	76	30	81	28	82	12	93	19	93	21	98	24	97	31	98	1	96	†2	87	16	78	7	[a]75	4
Ferguson	77	31	83	28	.....	.....	91	20	[a]92	†21	97	23	[f]98	28	.....	.....	.....	3	.....	.....	[d]82	7	74	4
Florence I	79	31	81	27	81	12	96	†19	96	22	97	†24	100	31	99	2	92	2	88	8	[a]77	17	74	2
Flody Dale	.....	.....	.....	.....	.....	.....	.....	.....	97	21	101	†24	99	29	.....	.....	[f]96	2	.....	.....	.....	.....	.....	.....
Georgetown	78	†4	84	28	85	12	95	21	94	21	94	21	97	21	95	†2	94	9	86	18	80	11	†78	4
Kingstree	76	21	85	28	84	12	94	20	93	†19	97	24	.....	.....	.....	.....	93	†2	88	5	76	†11	74	3
Oaks	77	31	83	28	[c]83	†12	[f]93	†20	94	†21	[a]98	24	95	31	[c]96	24	[e]92	9	[b]88	29	[c]82	†11	[e]79	3
Orangeburg	79	30	84	28	84	12	94	19	94	†21	98	24	98	†30	97	†1	94	†7	88	5	77	19	73	3
Pinopolis	70	†3	76	†27	80	12	87	21	88	†27	89	28	90	31	89	†1	86	†3	80	5	70	†7	[e]68	3
St. George	79	30	86	28	[a]84	12	94	20	95	21	99	24	99	†30	99	23	96	9	88	5	77	†7	75	4
St. Matthews	77	31	83	†27	88	12	95	†19	96	21	98	†1	97	†30	97	2	94	†2	87	5	83	7	72	†3
Society Hill	75	31	81	28	81	12	[b]94	19	[a]95	†19	[a]98	24	98	31	[b]98	23	[b]97	5	86	†5	77	11	73	3
Summerville	77	†3	84	28	84	12	92	20	92	27	96	24	95	30	95	2	92	9	87	18	75	19	75	4
Walterboro	x79	30	87	28	[a]81	†11	[a]95	20	98	27	99	24	[a]100	27	[a]97	†1	[a]96	†3	.....	.....	.....	.....	.....	.....
Yemassee	79	30	86	28	85	12	91	†20	94	27	96	†2	95	†28	95	†1	95	9	86	†5	78	7	76	†2
Division extremes	79	†30	87	28	88	12	96	†19	98	27	102	24	101	†29	100	†1	97	†5	88	†5	83	7	82	4
WESTERN PORTION.																								
Aiken	76	30	81	27	84	12	91	†19	91	21	99	24	[e]96	9	97	2	92	9	84	†5	75	†7	72	2
Anderson	79	30	79	†20	83	31	[c]94	†19	94	†20	102	†24	.....	.....	101	1	98	8	.....	.....	[j]74	11	[a]73	2
Batesburg	72	†3	78	27	78	12	90	19	91	21	94	†1	94	31	94	1	92	†8	83	5	74	†7	.....	.....
Calhoun Falls	75	30	78	27	82	12	92	19	93	†20	101	24	102	†9	102	1	96	2	89	17	78	7	72	2
Camden	.....	.....	[d]80	27	.....	.....	.....	.....	[a]94	22	[d]99	24	99	31	[b]99	†1	95	2	[b]84	5	72	7	70	5
Clemson College	69	†30	74	28	74	31	84	†18	85	†20	89	†24	92	30	[c]92	1	[a]85	†3	79	5	70	8	68	4
Columbia	76	30	79	27	79	31	91	19	92	21	97	24	96	31	96	2	92	7	84	19	75	7	72	3
Greenville, No. 1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[b]81	16	73	7	68	2
Greenville, No. 2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	87	5	78	7	72	2
Greenwood	73	30	74	27	78	31	90	19	90	†20	98	24	96	31	96	†1	89	†8	83	5	73	7	69	2
Heath Spring	69	31	73	†26	73	15	90	29	91	21	95	23	96	31	94	†2	90	†1	84	†16	74	†9	[e]68	7
Kershaw	72	31	77	28	79	31	95	19	94	19	101	24	99	31	100	1	94	7	86	5	75	†7	70	3
Landrum	73	30	72	24	77	31	91	19	91	†19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[a]77	7	72	4
Liberty	72	30	74	28	78	31	90	19	92	20	97	26	97	†30	95	1	90	2	83	5	74	7	70	2
Little Mountain	75	30	76	27	[m]80	31	.....	.....	93	20	101	21	98	31	98	1	95	2	90	29	73	7	70	†2
Meriwether	.....	.....	.....	.....	85	12	[c]93	19	94	21	[e]102	24	[l]100	†17	[p]98	†23	.....	.....	[c]87	5	[k]77	7	[i]73	3
Monetta	75	30	78	27	81	31	91	†19	92	21	99	24	98	31	99	1	94	2	86	16	76	7	70	†3
Mountain Rest	72	29	[d]73	†20	74	31	87	19	[b]86	†19	91	†23	93	31	92	1	[a]86	†2	79	5	[a]73	7	68	2
Newberry	70	†4	77	27	81	31	94	19	93	†20	102	24	101	31	100	†1	95	9	87	5	76	†7	70	†3
Saluda	76	30	78	27	81	31	95	22	97	22	101	24	99	15	99	2	95	†8	86	16	75	19	71	†1
Santuck	73	30	74	†27	79	31	93	19	93	†20	101	24	99	†16	99	1	95	2	86	†5	74	7	69	3
Spartanburg	74	30	[a]74	27	79	31	93	19	93	20	99	26	99	30	97	†1	92	8	85	5	75	7	70	4
Trenton	[d]73	30	76	27	81	12	89	28	90	21	[b]97	25	[k]100	29	100	2	91	2	84	17	.....	.....	.....	.....
White Oak	75	30	76	27	81	31	92	19	92	†20	99	24	98	15	97	†1	92	2	85	†5	76	19	69	3
Winthrop College	67	†30	69	†27	74	31	87	†20	87	†21	97	24	92	†30	[a]92	1	86	†7	78	5	65	7	65	25
Division extremes	79	30	81	27	85	12	95	†19	97	22	102	24	102	†9	102	1	98	8	90	29	78	7	73	†2
Section extremes	79	†30	87	28	88	12	96	†19	98	27	102	†24	102	†9	102	1	98	8	90	29	83	7	82	4

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.
† On other dates also.

WEATHER BY MONTHS.—*Continued.*

(CONTINUED FROM PAGE 100.)

June.—On account of unusually cool weather between the 15th and 20th, the June mean temperature was somewhat below normal, as was also the rainfall. One man was killed by lightning in Cherokee County on the 3d. Hail occurred at various points on 8 dates.

July.—Temperatures were normal and precipitation slightly above, in marked contrast to the extraordinary rains of July 1916. One man was killed by lightning in Calhoun County on the 11th, and one in Orangeburg County on the 27th. A warehouse, with 50 bales of cotton, was fired by lightning and destroyed in Lancaster County on the 2d, and 2 valuable farm animals were killed by lightning in Lexington County on the 25th.

August.—Temperatures ranged somewhat below normal, and precipitation was greatly deficient. All crops were in a most promising condition up to the middle of the month, after which marked deterioration of cotton, late corn, truck, gardens, forage, and pastures set in, due to lack of rain when most needed.

Summer.—Mean temperature, 78.4°, or 0.3° below the normal determined for 31 years. Precipitation averaged 14.28 inches, or 2.73 inches below the 31-year normal.

September.—The month was unusually cool and wet. The rains of the first week were attended by general improvement in all crops, but the succeeding dry weather caused further general deterioration. The following deaths by lightning occurred during the month: 3d, a boy in Clarendon County; 4th, a man, woman, and girl in Greenville County; 22d, 5 men at Camp Jackson, Richland County.

October.—Persistent low temperatures resulted in a mean

Monthly Minimum Temperatures for the Year 1917, with Dates.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November		December.	
	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum	Date.	Minimum.	Date.	Minimum.	Date	Minimum.	Date.
EASTERN PORTION.																								
Allendale	22	12	10	3	27	6	42	10	46	† 9	61	17	66	2	64	26	49	†12	32	25	25	† 5	10	30
Beaufort	ᶜ25	12	11	3	28	6	43	10	......	......	ᵍ61	† 4	ᵃ65	11	ᵇ62	26	51	12	......	......	......	......	11	30
Blackville	18	12	7	3	23	6	35	7	42	† 9	57	17	65	2	61	28	44	12	31	26	21	25	8	30
Bowman	19	12	9	3	25	6	36	10	40	† 9	55	17	60	1	57	†27	42	12	27	†25	17	†25	7	30
Centenary	ᵃ23	12	13	3	29	6	33	10	41	†13	57	17	67	† 1	62	†13	50	†12	30	25	18	25	6	30
Charleston	28	12	12	3	34	6	45	10	49	9	64	3	66	8	70	25	58	12	39	24	32	25	12	30
Cheraw	18	12	8	3	26	6	35	10	41	† 9	54	17	65	1	62	†26	46	12	30	31	25	†25	6	30
Conway	22	12	11	5	29	6	34	10	41	13	56	17	65	1	63	26	50	20	32	31	21	25	6	30
Darlington	ᵃ19	12	ᵃ12	3	25	6	32	10	40	14	54	17	65	† 2	58	28	45	12	30	31	20	25	ᵃ 6	30
Ferguson	26	†12	12	3	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	ᵈ31	†26	10	†30
Florence 1	20	12	13	3	27	6	36	10	42	9	57	18	66	2	62	28	46	12	31	31	22	25	7	30
Georgetown	22	12	13	3	27	6	37	10	44	†13	57	18	67	† 4	63	26	51	12	33	25	21	26	7	30
Kingstree	23	†12	13	3	28	6	36	10	42	† 9	57	17	65	1	62	28	48	12	31	25	21	†25	8	30
Mayesville (near)	ᵐ20	12	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Oaks	22	12	14	3	ᵃ29	†6	34	10	43	†13	ᵃ56	17	65	1	ᶜ61	26	ᵉ51	†12	ᵃ32	†25	ᶜ22	25	ᵈ 7	30
Orangeburg	22	†12	10	3	28	6	36	10	40	† 9	57	†17	62	1	66	†13	48	†12	29	25	21	†25	8	†30
Pinopolis	27	12	14	† 3	30	6	42	† 7	48	† 9	61	†12	69	2	68	† 7	56	†18	36	31	24	26	ᵈ10	30
St. George	24	12	18	3	31	6	41	10	47	9	58	17	62	1	60	26	50	12	33	25	26	26	12	30
St. Matthews	19	12	9	3	25	6	37	7	42	9	55	17	63	18	60	11	47	13	32	†24	22	25	9	30
Society Hill	19	12	13	† 3	25	6	ᵇ34	10	ᵃ40	14	ᵃ53	17	65	1	ᵇ59	28	ᵇ45	12	30	31	21	25	6	30
Summerville	22	12	11	3	26	6	39	7	44	9	60	18	66	1	62	26	49	12	32	31	22	†25	10	30
Walterboro	......	......	11	3	ᵉ26	6	......	......	44	† 9	61	† 1	ᵃ61	6	ᵇ59	12	ᵃ49	12	31	31	ᵇ19	26	10	†29
Yemassee	19	12	8	3	23	6	37	7	40	15	58	16	63	1	55	26	48	12	27	†25	19	26	11	30
Division extremes	18	12	7	3	23	6	32	10	40	† 9	ᵃ53	17	61	6	55	26	42	12	27	†25	17	†25	6	30
WESTERN PORTION.																								
Aiken	20	12	6	3	23	6	37	7	41	9	57	17	ᶠ38	2	62	25	47	12	32	†24	23	25	8	30
Anderson	16	12	3	3	20	6	ᵃ35	10	39	14	53	†16	ᶜ60	1	58	26	47	12	28	24	22	25	2	30
Batesburg	16	12	7	3	25	6	37	10	42	† 9	56	16	61	19	61	†25	46	12	33	24	24	25	0	30
Calhoun Falls	17	12	6	† 3	21	† 6	34	† 7	38	13	55	15	62	†11	58	†25	46	†12	28	31	20	†25	8	30
Camden	ᵈ26	13	ᶜ11	3	......	......	......	......	ˡ42	9	ⁱ60	20	......	......	......	......	......	......	......	......	ᵐ26	26	12	†30
Clemson College	17	12	5	3	22	6	34	10	40	14	53	17	55	3	ᶜ56	26	ᶜ51	18	29	31	19	26	5	30
Columbia	21	12	9	3	29	6	39	6	44	14	59	17	66	17	65	28	50	12	34	25	26	26	8	30
Greenville, No. 1	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	ᵉ28	24	26	25	3	30
Greenville, No. 2	15	12	5	3	21	6	31	7	35	9	50	†16	60	11	55	†25	45	12	26	24	21	26	0	30
Greenwood	18	13	6	3	24	6	35	10	41	9	54	17	60	18	59	26	44	13	30	†24	22	25	5	30
Heath Spring	16	12	10	5	24	†6	30	11	39	15	53	17	63	† 5	60	16	40	13	30	31	21	†25	0	30
Kershaw	17	12	9	3	24	6	34	7	40	13	53	17	65	† 1	58	28	43	12	30	31	20	25	5	30
Landrum	16	12	0	† 4	19	6	38	14	37	13	......	......	......	......	......	......	......	......	......	......	ᵃ23	24	−6	30
Liberty	16	12	5	3	21	6	34	10	38	13	53	17	63	† 5	55	26	49	†12	28	31	19	25	5	30
Little Mountain	19	12	7	3	ᵃ25	6	ᵇ39	10	40	14	52	16	66	† 5	61	26	46	12	31	24	25	25	6	30
Meriwether	......	......	8	3	23	6	ᵇ36	†7	ᵃ41	† 9	ᵈ56	†17	ᵒ65	† 5	ᵖ57	26	......	......	ᶜ29	25	ʰ21	25	ⁱ9	30
Monetta	18	12	6	3	27	6	40	10	44	† 9	58	†16	67	† 1	64	†25	49	†12	32	†24	23	25	6	30
Mountain Rest	9	12	ᵈ−2	3	14	6	28	10	ᵇ31	†13	43	17	52	10	49	25	ᵃ40	12	22	31	ᵃ16	†25	−6	30
Newberry	18	12	8	3	24	6	34	10	39	† 8	54	17	65	† 5	60	†25	46	12	30	25	20	25	5	30
Saluda	17	12	7	3	21	6	32	†7	37	†13	52	†17	61	12	57	25	40	19	26	25	17	25	7	30
Santuck	15	12	8	3	23	6	32	10	40	14	52	17	63	1	58	26	44	12	29	25	21	26	4	30
Spartanburg	16	12	ᵃ 6	3	23	6	33	10	38	†13	49	17	61	5	57	26	45	12	28	31	24	25	− 1	30
Trenton	ᵈ18	12	6	3	25	6	39	†7	42	14	ᵇ51	17	ˡ59	8	64	†22	46	12	30	31	......	......	......	......
White Oak	16	12	7	3	25	6	35	10	41	† 9	53	17	65	† 1	61	26	45	12	32	†24	23	25	5	30
Winthrop College	10	12	7	3	24	6	33	10	40	9	52	17	64	5	60	26	44	13	30	24	20	25	3	30
Division extremes	9	12	−2	3	14	6	28	10	31	†13	43	17	52	10	49	25	40	12	22	31	16	†25	−6	30
Section extremes	9	12	−2	3	14	6	28	10	31	†13	43	17	52	10	49	25	40	12	22	31	16	†25	−6	30

Reference letters (ᵃ, ᵇ, ᶜ), appearing in the table indicate number of days missing: For example, ᵇ represents two days missing, etc.
† On other dates also.

temperature equaling the lowest October average. Precipitation was much below normal. The first cotton boll weevil appeared on Daufuskie Island on the 24th. The first general killing frosts of the autumn occurred between the 24th and 26th and on the 30th and 31st. A storm of tornadic proportions caused considerable damage to property in Lancaster County during the night of the 29th and 30th.

November.—As in the two preceding months, November thermal conditions were persistently below the seasonal average. The precipitation was much below normal.

Autumn.—Mean temperature, 60.6°, or 3.1° below the normal determined for 31 years. Precipitation averaged 8.07 inches, or 1.30 inches below the 31-year normal.

December.—The year closed with the coldest December of record, and, with but one exception, the coldest month of record in the history of South Carolina. The prolonged cold, which began with a severe cold wave on the 9th, culminated in the record-breaking cold wave on the 30th, and extended into 1918, is the longest period of frigid weather on record at the Section Center. The month was exceptionally dry. Considerable damage resulted to winter crops by the freezes.

ERRATA.

FEBRUARY.—Georgetown, precipitation departure, page 12, should be −3.94. St. George, temperature departure, page 12, should be +7.1.

MARCH.—Clemson College, temperature departure, page 20, should be −0.5.

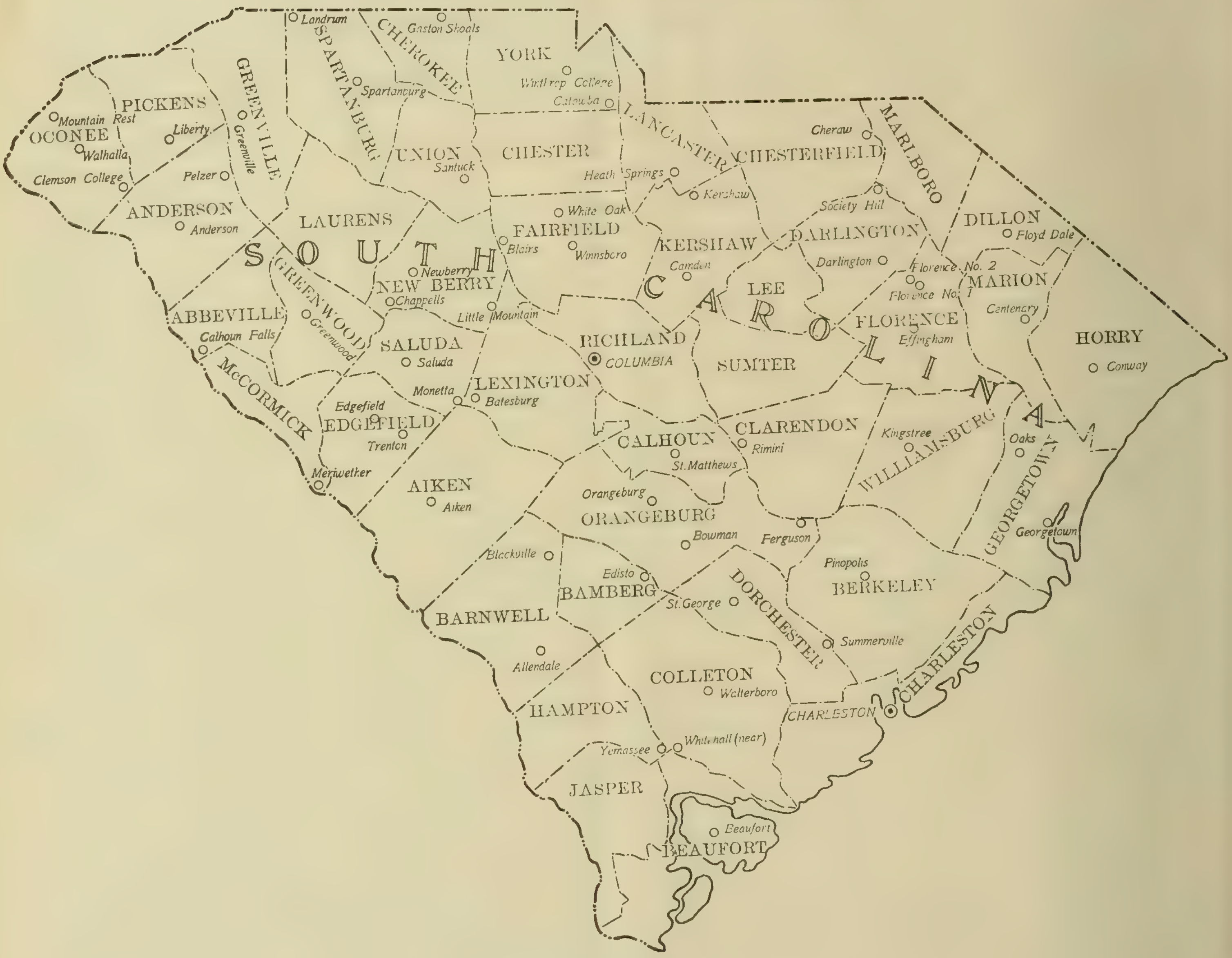
APRIL.—Blairs, total precipitation, page 28, should be 2.79.

MAY.—Batesburg, precipitation departure, page 36, should be +0.37.

JULY.—Florence No. 1, total precipitation, page 52, should be 6.04.

NOVEMBER.—Camden, precipitation departure, page 84, should be −1.59. Yemassee, date of maximum temperature, page 84, should be 7th.

MAP SHOWING LOCATION OF OBSERVATION STATIONS

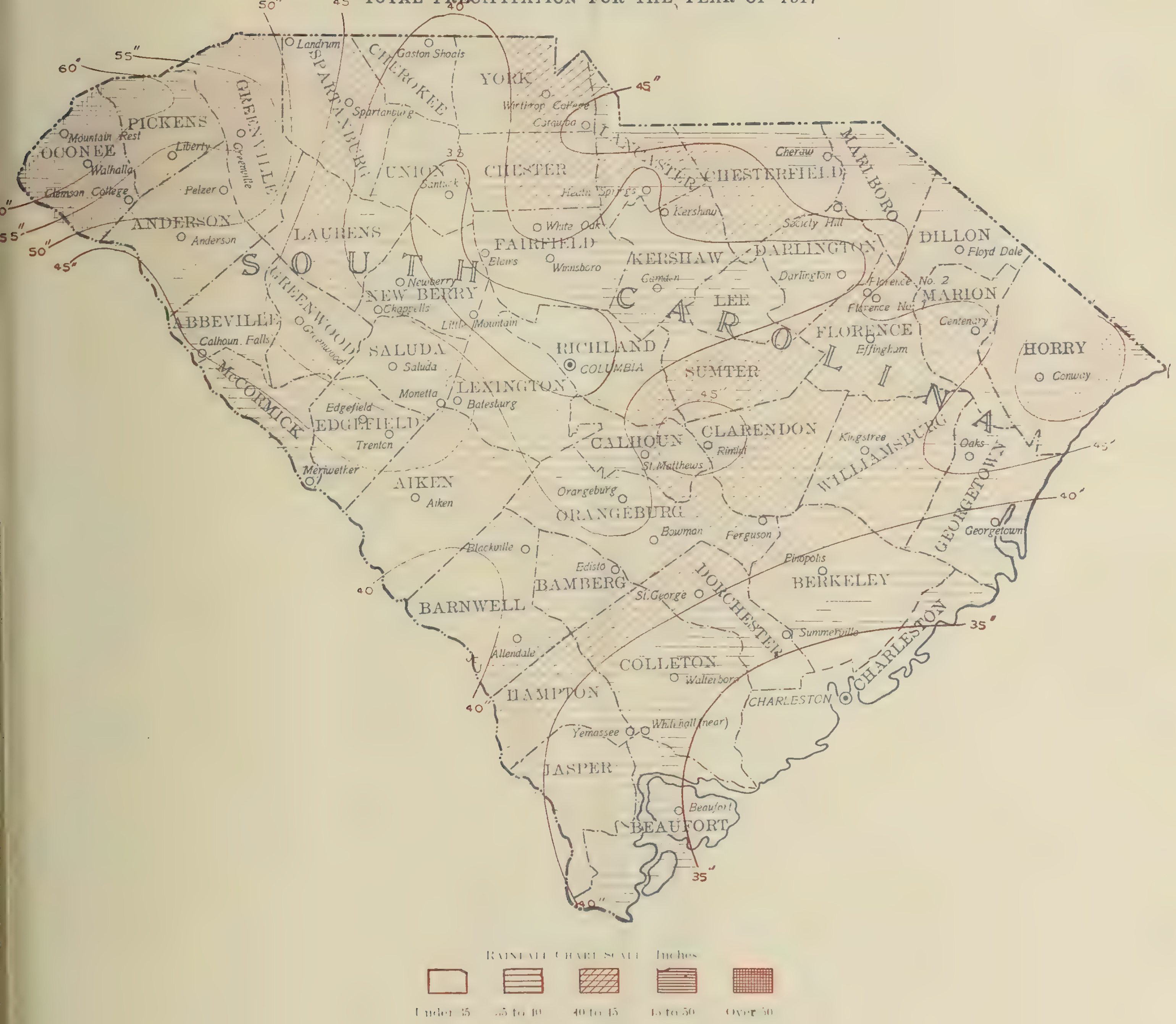


KEY TO SYMBOLS

◉ Meteorological observations. (Regular Weather Bureau stations, including Greenville)

○ Meteorological observations. (Sub stations)

TOTAL PRECIPITATION FOR THE YEAR OF 1917



COOPERATIVE STATIONS AND OBSERVERS.

Station	Observer.	Station.	Observer.	Station.	Observer.
Aiken	Frank B. McCoy.	Florence 1 ‖	H. K. Gilbert.	Newberry	W. G. Peterson.
Allendale ‖	R. B. Vance.	Florence 2	Pee Dee Experiment Sta.	Orangeburg ‖.	U. S. Fisheries Station.
Anderson	H. H. Russell.	Floyd Dale	H. B. Floyd.	Pinopolis.	Miss E. P. Ravenel.
Batesburg ‖	E. J. Hite.	Georgetown	A. P. Hazard.	St. George ‖	R. S. Weeks.
Beaufort	Miss Lillian H. Rice.	Greenville, No. 1	U. S. Weather Bureau.	St. Matthews ‖	J. S. Wannamaker.
Blackville ‖	Mrs. D. B. Sanders.	Greenville, No. 2 ‖	J. H. Woodside.	Saluda	Mrs. F. V. J. Maxwell.
Bowman	B. O. Evans.	Greenwood ‖	M. M. Calhoun.	Santuck	E. W. Jeter.
Calhoun Falls	L. M. Parker.	Heath Spring	J. Marvin Bowers.	Society Hill	A. H. Rogers.
Camden	W. C. Brown.	Kershaw ‖	John W. Hamel.	Spartanburg ‖	F. P. Robinson.
Centenary	D. L. Carmichael.	Kingstree ‖	A. O. Matthews.	Summerville.	Miss E. H. Gadsden.
Charleston	U. S. Weather Bureau.	Landrum	R. Hartwell Wilds, D.D.S.	Trenton	Mrs. S. E. Long.
Cheraw ‖	J. H. Powe.	Liberty	J. T. Boggs.	Walterboro.	J. N. Frank.
Clemson College	Prof. F. H. H. Calhoun.	Little Mountain	J. M. Sease, M. D.	Walhalla	H. W. Brandt.
Columbia	U. S. Weather Bureau.	Oaks	O. M. Mitchell.	Whitehall (near).	Special Rice Exp. Station.
Conway	P. C. Quattlebaum.	Meriwether	Wm. S. Middleton.	White Oak	T. G. Patrick & Co.
Darlington	D. C. McCall.	Monetta	Joe M. Johnson.	Winthrop College	W. P. Goodman.
Ferguson	Henry C. Savage	Mountain Rest	J. L. Brown.	Yemassee ‖	J. G. Hutson.

Also Cotton Region station in season.

RIVER AND RAINFALL STATIONS AND OBSERVERS.

Station.	Watershed.	Observer.	Station.	Watershed.	Observer.
Anderson†	Savannah	H. H. Russell.	Edgefield†	Savannah	J. A. Townsend.
Blairs	Broad	J. N. Owens.	Edisto	Edisto	Nathan Jenkins.
Calhoun Falls	Savannah	L. M. Parker.	Effingham	Lynches	H. B. McCall.
Camden	Wateree	W. C. Brown.	Ferguson	Santee	Henry C. Savage.
Catawba	Catawba	J. C. Faris.	Gaston Shoals†	Broad	H. A. Parshall.
Chappells	Saluda	J. J. Murran.	Kingstree	Black	A. O. Matthews.
Cheraw	Pee Dee	J. H. Powe.	Pelzer	Saluda	J. Y. Jones.
Columbia	Congaree	Lemuel Hall.	Rimini	Santee	W. B. Wolfe.
Conway	Waccamaw	P. C. Quattlebaum.	Spartanburg †	Broad	F. P. Robinson.

† Special rainfall reports only.

FORECAST DISTRIBUTION.

Station.	County.	Distributer.	Station.	County.	Distributer.
Abbeville 2	Abbeville	Abbeville Telephone Co.	Fort Mill -1	York	Fort Mill Telephone Co.
Aiken 2	Aiken	So. Bell Telep. & Teleg. Co.	Georgetown 1†	Georgetown	A. P. Hazzard.
Augusta, Ga. *(42)	Richmond	U. S. Weather Bureau.	Gray Court 1	Laurens	Gray Court Telephone Co.
Bennettsville 6	Marlboro	So. Bell Telep. & Teleg. Co.	Greenville 14(69)	Greenville	So. Bell Telep. & Teleg. Co.
Blackville -6	Barnwell	So. Bell Telep. & Teleg. Co.	Greenwood 2*(31)†	Greenwood	M. M. Calhoun.
Burton 2	Beaufort	Bacon & Co.	Johnston 3	Edgefield	So. Bell Telep. & Teleg. Co.
Camden 2	Kershaw	So. Bell Telep. & Teleg. Co.	Kershaw 1	Lancaster	Kershaw Telephone Co.
Charleston 6*(155)	Charleston	U. S. Weather Bureau.	Lancaster	Lancaster	Lancaster Telephone Co.
Charlotte, N. C. 5*(7)	Mecklenburg	U. S. Weather Bureau.	Laurens 1	Laurens	Laurens Telephone Co.
Chester 1	Chester	Chester Telephone Co.	Marion -6	Marion	Postmaster.
Clinton 6	Laurens	So. Bell Telep. & Teleg. Co.	Newberry—3	Newberry	So. Bell Telep. & Teleg. Co.
Clover 1	York	Piedmont Telephone Co.	Orangeburg -2	Orangeburg	So. Bell Telep. & Teleg. Co.
Columbia 15*(187)†	Richland	U. S. Weather Bureau.	Orangeburg†	Orangeburg	State A. & M. College.
Conway 1	Conway	Conway Telephone Co.	Rock Hill 6*(11)	York	Chief of Police.
Cross Hill 1	Laurens	Cross Hill Telephone Co.	Spartanburg -5*(53)†	Spartanburg	Postmaster.
Darlington 4	Darlington	So. Bell Telep. & Teleg. Co.	Savannah, Ga. - *(39)	Chatham	U. S. Weather Bureau.
Due West 1	Abbeville	Due West Telephone Co.	Trenton 1	Edgefield	Trenton Telephone Co.
Edgmoor 1	Chester	Edgmoor Telephone Co.	Wilmington, N. C.—*(11)	New Hanover	U. S. Weather Bureau.
Florence 3	Florence	So. Bell Telep. & Teleg. Co.	Woodruff 1	Spartanburg	Home Telephone Co.
Fort Lawn 1	Chester	Fort Lawn Telephone Co.	Yorkville 1	York	Piedmont Telephone Co.

* Cards by mail within the State, number daily in parentheses

† Flag display.

NOTE.—Figures following names of stations indicate number of local or subsidiary exchanges through which daily forecasts of the Weather Bureau are available free of cost to patrons, by cooperation with the Southern Bell Telephone & Telegraph Company, representing about 35,000 subscribers. This information can be obtained by simply calling "Information" about 11 o'clock each morning, except Sundays and holidays.

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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

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CLIMATOLOGICAL DATA

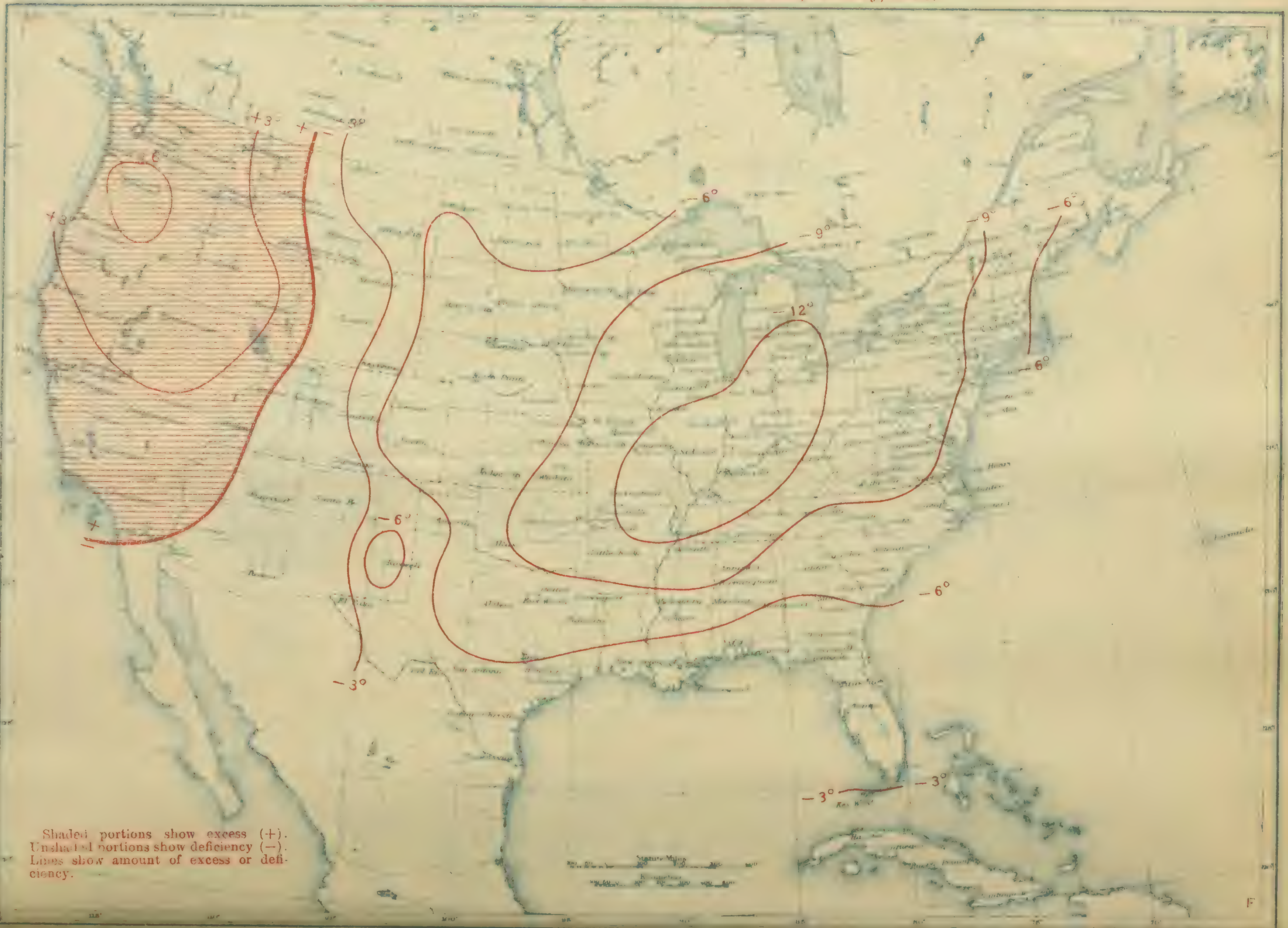
SOUTH CAROLINA SECTION

JANUARY, 1918.

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
March 14, 1918

Departure of the Mean Temperature from the Normal, January, 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

F

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

VOL. XXI. COLUMBIA, S. C., JANUARY, 1918. No. 1.

GENERAL SUMMARY.

The opening month of 1918 was the coldest of record in the history of the climatological service in South Carolina. The temperature fell below zero for the first time in January during the past 32 years, and but two previous Februarys have had lower minima. Three distinct cold periods, the last of which closed with the warm wave of the 26th, prolonged the extended cold that began during the early part of December, to about 50 days, the longest period of abnormal cold of record. The precipitation was considerably above normal, but the amounts were excessive over much of the Piedmont and greatly deficient on the coastal plain.

In consequence of the unusually severe winter and the soggy condition of the soil, the usual winter farming operations were suspended during practically the entire month. Absence of normal winter weather, favorable for winter grain development, has rendered definite determination of damage by the freezes most difficult. However, rye and early wheat appear not to have been damaged seriously, but late wheat has been cut probably one-half. About one half of the early oat crop and practically all the late planted have been killed. The winter truck crop was destroyed, but fruits have not been injured.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 29.98 inches. The highest pressure in the region covered by reports was 30.43 inches at Asheville and Wilmington, N. C., on the 21st, and in the Section proper, 30.41 inches at Greenville on the same date; lowest pressure, 29.01 inches at Charlotte on the 11th, and in the Section proper, 29.05 inches at Greenville on the same date, with the lowest reading of record at Columbia.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 41 stations, was 37.3°, or 8.2° below the established normal, and 0.1° lower than the previous lowest average for any month in South Carolina during the past 32 years. The highest temperature was 82° at Yemassee, Hampton County, on the 28th. The warmest period was between the 26th and 29th. The lowest temperature was 2° below zero at Landrum, Spartanburg County, and Newberry, Newberry County, on the 1st, or 5° below the lowest January minimum temperature record for the State. In fact, many stations of the middle and northern counties reported the coldest January weather of record on the 1st.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m. 80%; 8 p.m., 72%. The greatest percentages occurred over the northwestern counties, and the lowest, over the central counties.

PRECIPITATION.

The average for the Section, 54 stations reporting, was 4.45 inches, or 1.04 inches above the established normal. The precipitation was badly distributed as to amounts, there being a superabundance over the Piedmont counties, where the measurements ranged from 4 to over 10 inches, while on the coastal plain, the amounts ranged from 3 inches downward to near 1 inch. The greatest local monthly amount was 10.11 inches at Clemson College, Oconee County; least amount, 1.13 inches at Charleston. The greatest amount during any 24 hours was 3.50 inches at Liberty, Pickens County, on the 24th. The average number of rainy days was 25% above normal.

Practically all stations reported snowfall during the month, the amounts ranging from Traces to 10.1 inches, the latter at Gaston Shoals. Sleet and frozen rain were general over much of the State on the 11th, 12th, 21st, and 22d.

WIND.

The prevailing winds were from the west. The average hourly velocity, determined from 8 anemometer records, was 9.9 miles. The highest average velocity in the region covered by reports was 12.2 miles per hour at Savannah, Ga., and the lowest average, 7.2 miles per hour at Augusta, Ga. The averages in the Section proper were 10.9 miles per hour at Charleston and 9.2 miles per hour at Columbia. The highest velocity for any 5-minute period was 63 miles per hour from the southwest at Columbia on the 11th, the highest of record by 3 miles at that point.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 165.3 hours, or 52% of the possible amount. The average number of clear days was 13; partly cloudy, 6, and cloudy, 12, as against normals of 13, 7, and 11 days, respectively.

RIVER CONDITIONS.

Heavy rains on January 29 and 30 in the upper drainage areas of the Pee Dee and Santee rivers were followed by moderate floods in the lower Saluda, lower Catawba, Wateree, Santee, and Pee Dee rivers, the crest in the Santee passing Rimini on February 5 and Ferguson on February 6, and the crest of the Pee Dee flood passed Cheraw on January 31. Otherwise, the rivers of the Section were relatively low throughout the month.

MISCELLANEOUS PHENOMENA. (dates).

Fog, dense.—Catawba, 27; Charleston, 6, 28, 30; Greenville, 27, 31; Landrum, 28, 31; Liberty, 27; Pelzer, 27; Walhalla, 27, 31.

Halos—Lunar: Columbia, 27. *Solar:* Columbia, 11; Santuck, 1

Thunderstorms.—Anderson, 11; Blackville, 11; Bowman, 6, 12; Centenary, 12; Charleston, 11; Columbia, 11; Greenville, 11; Landrum, 11, 16; Liberty, 5, 11; Little Mountain, 11; Monetta, 11; Newberry, 11, 15, 28; Santuck, 12; Summerville, 11; Walhalla, 11; Walterboro, 11; White Oak, 11.

MISCELLANEOUS DATA FOR JANUARY, 1918.

Stations	Barometer, sea level	Temperature, degrees Fahr.			Precipitation, inches		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction	8 a. m.	8 p. m.	
Asheville, N. C....	29.97	28.8	58	−2	4.56	1.41	10.0	nw	85	75	57
Augusta, Ga.	29.98	40.0	74	12	3.42	0.90	7.2	w.	85	74	47
Charleston, S. C.	29.99	42.4	73	18	1.13	0.42	10.9	w.	75	72	70
Charlotte, N. C..	29.96	32.4	56	6	3.82	0.89	10.8	sw	81	70	51
Columbia, S. C....	29.98	38.2	71	6	2.16	0.48	9.2	sw	78	66	44
Greenville, S. C.	29.94	32.8	60	4	7.42	2.67	10.5	sw.	81	76	51
Savannah, Ga. ..	30.00	44.8	77	18	0.95	0.43	12.2	w.	77	69	60
Wilmington, N. C.	29.98	39.2	68	11	2.17	0.65	8.4	w.	76	71	58
Means and extremes	29.98	37.3	77	−2	3.20	2.67	9.9	w.	80	72	52

Climatological Data for January, 1918.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip'n (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	29	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	R. B. Vance.
Beaufort	Beaufort	21	31	....	....	....	....	^{t}14	1	....	....	....	....	0.2	....	....	....	....	....	Miss Lillian H. Rice.
Blackville	Barnwell	296	29	42.2	-4.9	77	27	10	† 1	55	4.16	+1.22	0.95	1.3	9	17	7	7	w.	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	17	39.1	-8.9	79	28	6	1	45	2.13	-0.99	0.42	1.3	10	16	5	10	w.	B. O. Evans.
Centenary	Marion	43	3	40.2	....	75	28	5	1	54	3.02	....	0.87	2.1	8	13	12	6	w.	D. L. Carmichael.
Charleston	Charleston	48	47	42.4	-6.9	73	27	18	13	31	1.13	-2.32	0.42	0.5	11	18	4	9	w.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	28	....	....	....	....	....	....	....	2.78	-0.04	0.74	1.6	11	....	....	....	....	J. H. Powe.
Conway	Horry	25	32	39.0	-9.1	76	28	6	1	42	3.70	-0.29	0.98	T.	7	....	....	....	....	Paul Quattlebaum.
Darlington ††	Darlington	175	23	36.3	9.3	70	27	6	1	44	2.27	-0.23	0.82	1.5	8	13	0	18	....	D. C. McCall.
Edisto ‡‡	Bamberg	143	30	....	....	....	....	....	....	....	2.19	-0.88	0.58	2.0	10	....	....	....	....	Nathan Jenkins.
Effingham	Florence	106	25	....	....	....	....	....	....	....	2.16	1.24	0.52	1.0	9	....	....	....	....	H. B. McCall.
Ferguson	Orangeburg	63	32	39.1	-8.2	77	28	13	4	42	2.62	-0.72	0.75	0.7	10	10	6	15	w.	Henry C. Savage.
Florence 1	Florence	136	29	37.8	-7.2	75	26	9	13	44	1.56	-1.18	0.46	2.0	7	12	7	12	sw.	H. K. Gilbert.
Florence 2	do	136	3	....	....	....	....	....	....	....	2.40	-0.34	0.70	1.0	7	19	1	8	nw.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	23	41.4	-7.0	78	28	13	1	40	4.00	-0.65	1.75	T.	3	18	3	10	nw.	A. P. Hazard.
Kingstree	Williamsburg	54	29	37.8	-9.7	77	28	9	1	48	2.96	-0.01	0.89	0.0	5	15	6	10	w.	A. O. Matthews.
Oaks	Georgetown	....	3	41.0	....	73	27	7	1	44	2.62	....	0.98	1.0	10	14	4	13	s.	O. M. Mitchell.
Orangeburg	Orangeburg	264	2	35.3	....	79	28	10	† 1	45	3.10	....	1.00	1.0	6	11	6	14	w.	U. S. Fisheries Station.
Pinopolis **	Berkeley	54	68	42.9	-4.4	74	29	16	1	....	1.56	-1.54	0.54	T.	9	16	6	9	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	4	....	....	....	....	....	....	....	2.96	....	0.60	2.5	8	....	....	....	....	William B. Wolfe.
St. George	Dorchester	109	29	42.8	4.6	80	28	16	1	43	1.96	-0.71	0.57	1.0	9	16	5	10	sw.	R. S. Weeks.
St. Matthews	Calhoun	62	22	38.2	-7.8	78	28	5	1	41	2.87	-0.19	1.12	1.5	9	17	6	8	n.	J. S. Wannamaker.
Society Hill	Darlington	192	26	35.8	-8.1	69	27	8	1	45	2.66	-0.25	0.62	0.3	11	17	2	12	nw.	A. H. Rogers.
Summerville	Dorchester	75	20	42.0	-7.0	77	28	10	1	54	1.62	-1.48	0.45	0.5	10	5	20	6	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	15	^{f}43.6	-7.5	^{f}81	28	^{b}10	1	^{f}54	2.16	-0.76	0.64	T.	8	19	4	8	....	J. N. Frank.
Yemassee	Hampton	24	22	^{a}41.6	6.3	82	28	^{a}11	1	^{a}42	1.77	-1.02	0.62	0.5	6	20	5	6	sw.	J. G. Hutson.
Division means and extremes		....	....	39.9	7.4	82	28	5	1	54	2.52	-0.56	1.75	0.9	8	15	10	6	w.	
Western Portion.																				
Aiken	Aiken	527	57	40.0	-5.9	74	28	9	13	55	2.79	-0.81	0.91	T.	9	13	3	15	w.	Frank B. McCoy.
Anderson	Anderson	764	22	33.4	-11.3	70	27	3	† 1	43	7.21	+3.46	1.55	1.5	13	13	0	18	w.	H. H. Russell.
Batesburg	Lexington	656	29	36.0	9.4	70	†27	9	13	46	4.45	+1.20	0.98	4.7	13	13	6	12	sw.	E. J. Hite.
Blairs	Fairfield	293	15	....	....	....	....	....	....	....	5.21	+2.10	1.45	1.0	9	....	....	....	....	J. N. Owens.
Calhoun Falls	Abbeville	508	25	34.4	....	71	27	5	† 1	30	5.87	+2.52	1.50	3.4	12	13	8	10	sw.	L. M. Parker.
Camden	Kershaw	222	58	^{k}3.65	-9.7	^{k}63	†11	^{k}10	1	^{k}30	1.83	-1.56	0.66	1.6	10	20	3	8	ne.	W. C. Brown.
Catawba	York	562	14	....	....	....	....	....	....	....	5.75	+2.55	1.20	2.0	8	....	....	....	....	James C. Faris.
Chappells	Newberry	402	14	....	....	....	....	....	....	....	4.72	+1.87	1.28	2.5	9	....	....	....	....	J. J. Murran.
Clemson College	Oconee	850	26	^{a}35.3	-7.0	61	†27	^{a}0	1	^{a}31	10.11	+5.56	2.40	2.0	10	15	2	14	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	31	38.2	-6.9	71	27	6	1	36	2.16	-1.13	0.48	1.0	11	14	3	14	sw.	U. S. Weather Bureau.
Edgefield	Edgefield	....	4	....	....	....	....	....	....	....	5.37	....	1.95	1.9	12	....	....	....	....	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	5	....	....	....	....	....	....	....	7.29	+3.45	1.97	10.1	13	....	....	....	....	Harry A. Parshall.
Greenville	Greenville	1039	25	32.8	-7.9	60	28	4	13	28	7.42	+3.17	2.67	2.5	15	10	7	14	sw.	U. S. Weather Bureau.
Greenwood	Greenwood	671	29	32.8	-10.0	69	27	4	1	41	5.94	+2.35	1.79	5.2	12	15	0	16	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	17	34.0	-9.1	67	†26	7	13	48	3.07	-0.18	1.00	1.0	6	4	20	7	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	2	34.8	....	70	11	6	1	53	5.64	....	1.75	0.5	8	19	0	12	w.	John W. Hamel.
Landrum	Spartanburg	1063	3	32.8	....	62	29	-2	1	46	6.17	....	1.49	6.6	13	11	9	11	....	R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	19	33.4	-9.4	67	29	0	1	37	10.40	+6.13	3.50	9.0	12	10	9	12	sw.	John T. Boggs.
Little Mountain	Newberry	711	25	38.6	-6.7	70	27	9	† 1	53	8.78	+5.72	2.00	6.5	13	14	6	11	sw.	J. M. Sease, M. D.
Meriwether	McCormick	450	15	....	....	....	....	^{a}8	1	....	7.64	+4.70	....	1.0	13	....	....	....	....	William S. Middleton.
Monetta	Saluda	400	11	38.2	-9.7	71	†27	8	† 1	56	3.20	-0.04	0.69	0.9	12	9	12	10	sw.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	3	31.6	....	64	27	1	1	40	7.51	....	2.00	5.2	10	13	0	18	....	James L. Brown.
Newberry	Newberry	502	15	35.7	-9.1	70	27	2	1	43	6.29	+2.84	1.73	4.6	14	8	8	15	w.	Warren G. Peterson.
Pelzer	Anderson	850	14	....	....	....	....	....	....	....	8.26	+4.52	2.60	3.0	16	....	....	....	....	Joshua Y. Jones.
Saluda	Saluda	536	17	37.0	-8.4	73	27	4	1	57	5.57	+2.24	0.90	3.0	12	11	8	12	w.	Mrs. F. V. J. Maxwell
Santuck	Union	512	25	34.5	-8.5	68	27	2	1	38	5.60	+2.14	1.56	3.5	10	14	5	12	se.	E. W. Jeter.
Spartanburg	Spartanburg	875	35	31.0	-10.5	58	29	3	1	40	6.27	+3.07	....	1.5	....	9	0	22	....	F. P. Robinson.
Trenton	Edgefield	620	29	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Mrs. S. E. Long.
Walhalla	Oconee	1061	15	....	....	....	....	....	....	....	7.71	+3.52	2.40	3.0	17	8	10	13	sw.	H. W. Brandt.
White Oak	Fairfield	548	2	36.2	-7.4	68	27	4	1	55	7.20	+3.92	1.55	2.0	11	19	3	9	sw.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	19	34.4	-9.1	58	25	7	13	42	4.98	+1.96	1.50	3.8	8	10	12	9	n.	W. P. Goodman
Division means and extremes		....	....	35.1	-9.0	74	28	2	1	57	5.99	+2.59	3.50	3.2	11	12	6	13	sw.	
Section means and extremes		....	....	37.3	-8.2	82	28	-2	1	57	4.45	+1.04	3.50	2.1	10	13	6	12	w.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for January, 1918.

Stations.	Watersheds.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Eastern Portion.																																	
Allendale |||	Savannah																																
Beaufort	Coast		.02		T.							T.																					
Blackville |||	Edisto		.12					.48		.01			.15			.90							.95							.70	.10	.75	4.16
Bowman	do		.08	.05			.22					T.	.28			.22					.06		.40						T.	.15	.25	.42	2.13
Centenary	Pee Dee		.14	.07			.87			T.		T.	.34			.52					.26		.57							T.	T.	.25	3.02
Charleston ***	Coast		.05				.14			.01		.18				.12	T.				.01	.26	.16							.01	.02	.17	1.13
Cheraw |||	Pee Dee	T.	.05	.05				.21		T.			.20			.74					.04		.62	T.					.04	.40	.23	.20	2.78
Conway |||	Waccamaw	T.	T.	T.			T.	T.		T.	T.		.70			.85					.06	.05	.98	T.							.10	.96	3.70
Darlington |||	Pee Dee		.05	.10			.12			.11			.40								T.	.05	.62						T.	T.	T.	.82	2.27
Edisto |||	Edisto		.18	.02				.22					.32			.33					.05		.58							.15	.03	.31	2.19
Effingham |||	Lynches			.10				.13					.52			.32					.05		.29							.51	.06	.18	2.16
Ferguson |||	Santee		.04				.23			.03			.40			.69							.75						.11	.02	.05	.30	2.62
Florence 1 |||	Pee Dee		.20					.14			.09												.21	.46							.34	.12	1.56
Florence 2	do		.10	T.			.10			T.			.70			.50							.50								.30	.20	2.40
Georgetown	Coast	T.	T.																		T.		1.25								1.75	1.00	4.00
Kingstree |||	Black						.20						.50			.89							.89							T.		.48	2.96
Oaks	do		.10	T.			.12	T.				.04	.23			.77					.09	T.	.98					T.		.04	.01	.24	2.62
Orangeburg	Edisto		.10	T.						T.						1.00					.10	T.	.70				T.	T.	T.	.40	T.	.80	3.10
Pinopolis	Cooper						.35					.10				.36						.04	.03	.54						.05	.03	.06	1.56
Rimini |||	Santee	.15	.10					.36		T.			.28			.57							.60							.45		.45	2.96
St. George |||	Edisto		.10	.05				.22					.29			.53					.02		.57								.03	.15	1.96
St. Matthews |||	Santee	.08	.04					.30								.66						.10	.32							1.12	.06	.19	2.87
Society Hill |||	do	T.		.03			.04	.13					.40			.71					T.	.05	.62						.06	.24	.28	.10	2.66
Summerville	Ashley		.05				.18			.02		T.	.07			.36					.04	.02	.45					T.	T.		.04	.39	1.62
Walterboro	Ashepoo		T.				.36			.08						.64				.06	.17		.43								.05	.37	2.16
Yemassee |||	do			.10				.24					.32			.36						T.	.62						T		T	.13	1.77
Western Portion.																																	
Aiken ‡	Edisto						.49	.09		.07		.15									.37		.21							.91	.27	.23	2.79
Anderson	Savannah		.27			.10	.42			.13		1.55	.79			.76					.05	.05	1.21						.89	.23	.76		7.21
Batesburg |||	Edisto	.25	.12	.08			.11	.34		.02			.52			.76					.21	T.	.98							.54	.40	.12	4.45
Blairs |||	Broad		.10				.14	.26					.96			.38							.92							1.45	.75	.25	5.21
Calhoun Falls |||	Savannah		.08		.08		.16	.20		.08		.06	1.32			.85	T.			T.	T		1.01						T.	1.50	.21	.32	5.87
Camden |||	Wateree		.05	.06			.04	.07		T.	T.		.15			.66					T.		.06							.19	.24	.31	1.83
Catawba |||	Catawba			.10				.40		T.			1.07			1.20					T.		1.18							.84	.90	.16	5.75
Chappells |||	Saluda	T.		.15				.33		.04		T.	1.28			.68					T.		.96						T.	1.10	.60	.18	4.72
Clemson College	Savannah		.20			T.	2.00					2.40	1.30								.13		1.25					.50	1.20	.33	.80		10.11
Columbia ***	Congaree		.07				.19			T.		.41			.25	.23					.08	.37	T.						34	.03	.17	.02	2.16
Edgefield |||	Savannah	.03	.04	.02				.40		.10			1.95			.90					.15		.45							.65	.60	.08	5.37
Gaston Shoals |||	Broad	T.	T.	.12			.09	.29				.07	1.90			.72		T.			.76	T.	1.45					.10	.23	.65	.33	.58	7.29
Greenville ***	Saluda		.06	T.		.07	.49			.01		2.67			.72	.16	.01		T.		.07	1.10	.27				.14	T.	.92	.09	.64		7.42
Greenwood |||	do		.22				.12			.45	.47	.49				.72							.34	.47	.26					1.79	.32	.29	5.94
Heath Spring	Wateree		.10				.15						.35																1.60		.73	.14	3.07
Kershaw	Lynches		.05				.50						.90			1.75							T.						.80	.82	.66	.16	5.64
Landrum	Broad		.09	.02			.59	.12				1.49	.44					T	T.		.13		.89					.13	1.32	.24	.74	.06	6.17
Liberty	Savannah		.15	T.	T.	.01	.40			.02		1.02	3.00								.05		.30		3.50		.20	.35	.15	T.	1.25		10.40
Little Mountain	Saluda		.30	.35			.32			.02		1.00	1.20			.58					.50	.67	2.00							.93	.84	.07	8.78
Meriwether	Savannah		T.			T.	.40			.10		*	*	*	3.48						*	*	2.25						*	*	*	1.41	7.64
Monetta	Edisto		.04	.01			.34			.04		.13	.31			.69					.08		.66							.55	.24	.11	3.20
Mountain Rest	Savannah		.15				.20					2.00	.90			.98	.02				.05		.30						2.00		.91		7.51
Newberry	Saluda		.10	.02		.02	.40			.02		1.73				.90			T.		.05		.88					.04	1.20	.30	.52	.11	6.29
Pelzer |||	do	.10	.12	.04			.22	.40		.08		.12	2.60			.80		T.			.04	T.	.50					.40	.50	1.62	.40	.32	8.26
Saluda	do	.20	.05	.11			.50		.08			.45	.90			.75					.10		.67						.85		.80	.11	5.57
Santuck	Broad		.20				.34			T.		.45	1.11			.99						T	.90				T.		.70	.32	.47	.12	5.60
Spartanburg |||	do	.06		.04			.14	.30				*	2.47				T.				*	*	1.60					.12	.22	.80	.25	.27	6.27
Trenton	Edisto																																
Walhalla	Savannah		.09	T.		.05	.55	.06		.03		2.40	.62			.83	.06				.09	.02	.79				.04	.02	1.26	.13	.67	T.	7.71
White Oak	Broad		.20				.44					.17	1.50			1.50					T.		.83					.02	.18	1.55	.62	.19	7.20
Winthrop College	Catawba	.20					.10						1.50			1.05					T.		.18						1.00	.35	.60		4.98

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction	Year.	Temperature.			Precipitation		Average number of days.			Prevailing wind direction
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.			Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear	Partly cloudy	Cloudy	
1887	40.1	73	5	2.80	8					1903	43.7	77	13	3.85	11	10	6	15	w.
1888	46.2	76	15	2.94	10				nw.	1904	40.2	74	8	2.97	8	15	5	11	n.
1889	44.9	78	15	5.81	10				ne.	1905	41.4	77	8	2.00	7	15	6	10	w.
1890	54.1	81	17	1.16	6				sw.	1906	47.0	83	12	5.85	11	12	4	15	ne.
1891	46.2	75	21	3.55					w.	1907	53.4	89	18	0.71	4	15	9	7	sw.
1892	42.7	72	16	6.75					nw	1908	44.2	76	17	4.86	9	13	8	10	w.
1893	38.0	71	3	2.52	6					1909	49.6	83	9	1.54	5	12	9	10	ne
1894	47.9	77	19	3.15	10	10	9	12	ne.	1910	45.5	80	11	2.98	7	14	10	7	w.
1895	44.2	80	5	7.31	13	9	9	13	sw.	1911	49.8	82	16	1.58	5	14	8	9	sw.
1896	43.8	72	9	3.02	6	12	10	9	ne.	1912	40.2	79	6	4.92	9	13	4	14	w.
1897	42.2	76	3	2.29	7	13	8	10	nw	1913	53.8	82	23	3.21	8	10	6	15	sw.
1898	49.2	82	8	1.80	6	12	10	9	sw.	1914	46.7	81	18	2.66	5	16	9	6	w.
1899	44.1	78	17	4.72	11	10	7	14	n	1915	45.1	74	19	6.31	9	12	6	13	ne.
1900	44.0	75	3	2.43	8	16	6	9	nw.	1916	52.3	81	10	1.76	9	10	9	12	ne.
1901	45.1	81	18	3.55	9	14	7	10	nw.	1917	49.7	79	9	3.74	12	10	7	14	sw
1902	42.4	80	11	2.05	5	15	7	9	sw.	1918	37.3	82	2	1.45	10	13	6	12	w
										Period	45.5	89	2	3.41	8	13	7	11	sw

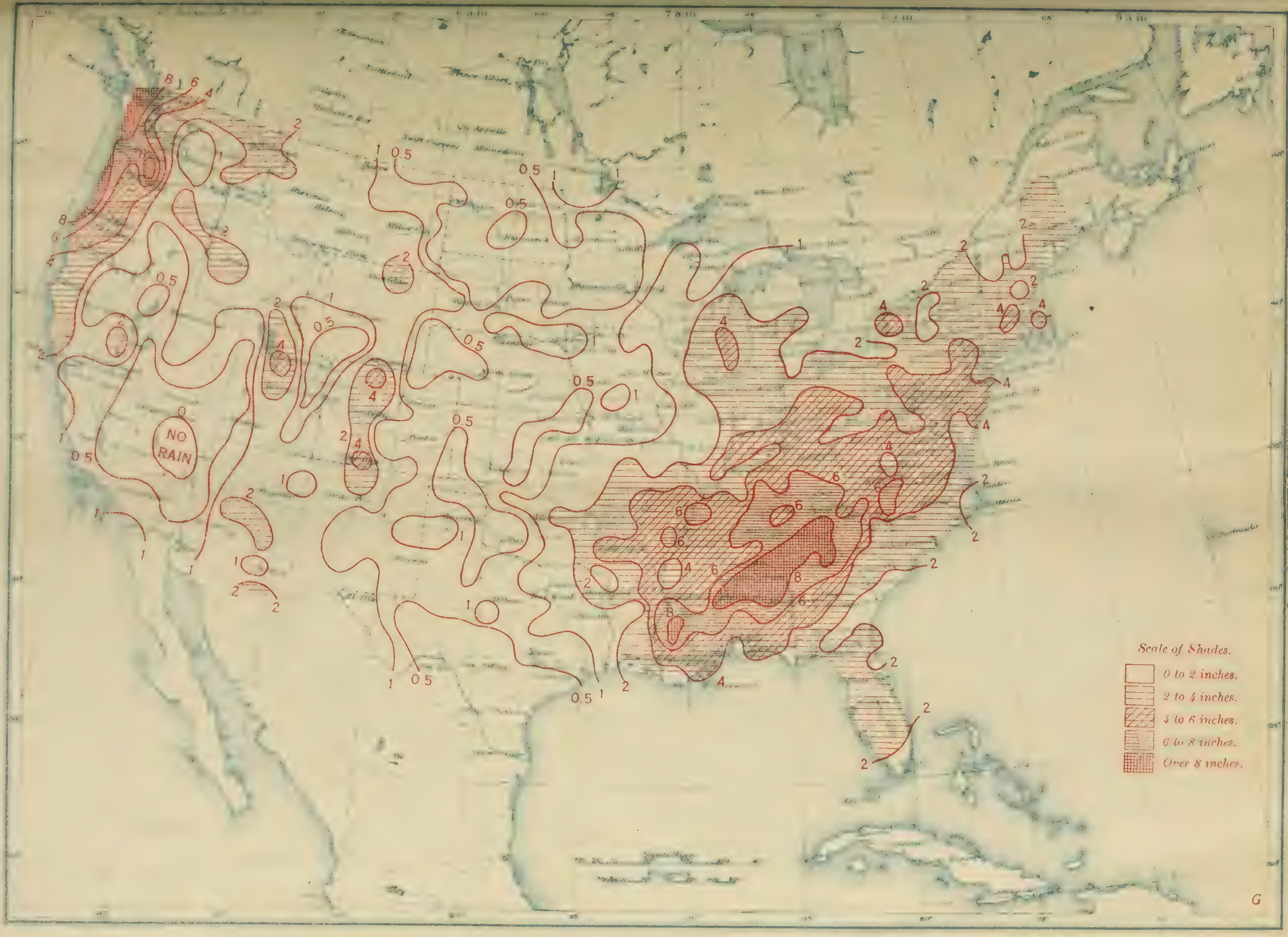
Daily Temperatures for January, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Beaufort	Maximum	27	38	33	46	42	...	...	...	42	...	47	...	...	25	29	33	40	43	46	44	38	41	...	54	...	58	65	72	63	56	48	...
	Minimum	14	23	26	26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	31	...	...	43	45	42	40	38	...
Blackville §	Maximum	35	41	40	58	58	59	54	50	51	52	68	52	48	57	55	57	58	59	54	50	46	51	52	53	70	72	77	75	69	66	65	56.5
	Minimum	10	22	15	13	26	36	38	28	24	20	22	13	10	12	15	24	28	27	29	25	24	20	22	33	37	43	42	55	46	42	35	27.9
Bowman	Maximum	52	40	38	40	50	58	56	46	42	51	64	60	28	55	50	56	55	50	45	43	42	40	47	54	62	68	71	79	65	50	38	50.8
	Minimum	6	11	20	10	22	40	35	21	23	21	22	19	10	16	37	22	37	32	30	33	31	25	22	21	34	27	49	55	47	36	34	27.4
Centenary	Maximum	33	35	36	38	56	68	65	48	43	55	63	68	39	51	60	52	59	52	43	42	43	58	47	53	67	69	69	75	52	52	52	52.0
	Minimum	5	20	16	7	25	36	40	27	26	21	24	27	14	20	36	25	32	32	26	26	26	29	27	26	38	31	53	48	44	37	34	28.3
Charleston	Maximum	31	41	32	36	55	60	52	47	42	48	64	55	35	57	60	47	56	49	44	52	39	50	47	51	63	66	73	70	70	50	44	40.6
	Minimum	18	31	23	20	30	40	35	28	32	30	33	30	18	26	38	32	41	35	28	38	32	35	28	30	38	41	51	52	46	40	38	24.2
Cheraw §§	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Conway §§	Maximum	32	35	32	35	54	60	52	45	42	51	66	40	35	62	56	57	59	51	43	42	39	58	43	53	66	70	70	76	61	43	44	50.1
	Minimum	6	20	19	10	20	36	42	24	21	22	24	25	12	21	30	21	31	35	26	25	21	28	27	26	38	32	43	48	50	39	35	27.8
Darlington §§	Maximum	35	34	30	36	54	46	49	56	46	52	67	36	33	60	54	55	56	49	41	39	39	37	45	52	65	68	70	46	52	36	42	47.7
	Minimum	6	11	12	9	11	34	28	26	30	19	24	23	12	16	28	28	32	30	24	26	23	24	26	25	31	30	36	40	36	35	31	24.9
Ferguson §§	Maximum	33	40	30	38	52	60	48	45	40	41	50	30	35	70	53	55	55	65	48	43	47	38	45	53	64	68	72	77	66	43	45	51.4
	Minimum	20	20	20	13	15	31	38	24	27	20	20	22	15	15	25	25	28	30	28	27	28	28	25	26	30	30	30	45	50	42	36	26.9
Florence 1 §§	Maximum	35	34	29	38	55	55	55	47	41	51	68	34	32	60	55	58	55	50	42	48	44	48	50	51	54	75	72	54	52	37	41	49.1
	Minimum	11	21	15	14	16	32	39	27	27	23	25	24	9	12	22	29	30	23	24	25	28	27	27	30	31	33	36	42	39	36	34	26.4
Georgetown	Maximum	36	36	35	35	38	60	55	48	40	51	64	41	33	62	58	58	58	52	50	46	38	.	48	55	66	68	73	78	72	46	46	51.2
	Minimum	13	24	22	14	29	51	40	29	33	27	29	27	17	22	32	30	34	35	29	33	28	30	27	29	36	33	42	52	55	42	36	31.6
Kingstree §§	Maximum	33	35	29	37	57	57	51	45	42	51	69	38	31	61	54	51	55	50	43	41	33	38	45	55	65	69	72	77	55	42	43	49.3
	Minimum	9	12	20	12	14	30	39	26	26	20	21	25	15	20	22	26	27	31	26	26	27	28	25	25	27	33	34	51	47	40	35	26.4
Oaks	Maximum	31	35	35	38	58	58	53	48	43	54	65	68	38	58	60	58	58	52	44	43	40	58	48	55	64	70	73	78	68	56	45	52.6
	Minimum	7	19	20	12	25	35	41	28	27	21	24	28	17	19	13	25	35	35	27	21	28	31	28	25	35	31	49	48	51	39	35	29.4
Orangeburg	Maximum	30	40	28	36	50	52	44	46	40	41	64	32	21	48	48	32	52	45	36	38	32	41	44	54	65	69	73	79	63	44	44	46.6
	Minimum	10	16	18	13	17	30	32	24	24	20	20	19	10	12	22	21	26	28	23	23	26	26	24	26	28	28	29	53	46	42	34	24.6
St. George §§	Maximum	34	40	32	41	60	60	51	41	40	52	68	38	34	59	51	58	56	48	44	45	[illegible]	40	47	56	65	70	72	80	69	45	44	50.9
	Minimum	16	30	23	19	32	48	40	29	33	27	32	25	18	24	52	29	37	37	28	38	33	32	28	30	39	35	57	58	63	45	37	31.6
St. Matthews §§	Maximum	32	37	31	51	64	55	46	44	41	[illegible]	66	34	33	58	52	53	54	47	43	42	[illegible]	57	45	52	64	66	71	78	57	39	42	49.0
	Minimum	5	10	17	15	21	39	36	25	27	23	26	19	11	20	28	26	31	28	23	28	21	26	23	26	37	36	52	58	43	37	34	27.5
Society Hill §§	Maximum	32	33	28	36	51	54	49	45	41	51	67	34	31	58	55	50	54	47	39	38	36	37	44	50	64	64	69	41	51	35	40	46.0
	Minimum	8	16	12	10	17	33	38	33	28	21	24	22	12	16	28	29	30	29	23	26	22	24	26	27	32	31	39	58	35	34	33	25.5
Summerville	Maximum	34	38	37	39	59	64	57	47	42	52	68	69	35	55	62	57	57	52	45	47	44	41	48	55	65	69	75	77	74	66	45	54.0
	Minimum	10	21	23	14	21	38	29	25	27	25	26	22	15	18	41	26	36	31	24	27	30	31	25	25	38	31	50	55	55	44	37	30.0
Walterboro	Maximum					67	60	[illegible]	48	42	53	68	57		56	61	62	49	57	47	43	...	41	50	58	57	75	76	81	75	66	46	b56.9
	Minimum	10	24	25	13	11	40	40	26	27	23	25	15		18	44	24	30	23	26	32	...	31	25	23	37	29	56	53	61	46	37	b30.2
Yemassee §§	Maximum	36	40	36	45	60	58	51	48	41	54	67	39	36	60	50	57	55	48	46	49	36	44	48	57	67	70	77	82	69	52	47	52.7
	Minimum	11	29	27	10	25	25	41	26	33	21	28	27	15	18		25	38	31	22	28	[illegible]	[illegible]	24	28	37	30	55	53	56	50	38	[illegible]
Western Portion.																																	
Aiken	Maximum	33	42	39	39	53	57	54	44	45	49	47	64	31	72	54	51	50	46	42	42	42	40	47	51	64	68	72	74	72	62	43	50.6
	Minimum	10	25	10	17	31	41	35	24	28	24	34	16	9	21	41	27	29	26	20	33	29	28	23	27	34	40	58	59	44	37	34	29.5
Anderson	Maximum	34	34	32	35	38	41	59	41	50	47	33	40	28	46	45	39	43	33	38	38	52	43	41	43	58	55	70	61	64	51	42	43.2
	Minimum	3	22	17	11	26	32	27	20	27	26	27	9	3	17	29	26	27	22	17	28	23	23	26	24	31	31	39	33	34	32	31	23.6
Batesburg §§	Maximum	33	35	29	36	50	53	36	41	43	47	61	26	28	52	45	50	47	40	39	39	57	36	44	47	59	63	70	70	57	40	42	45.0
	Minimum	12	11	12	18	23	32	31	25	27	26	32	15	9	12	25	29	30	27	22	26	20	24	23	20	30	39	45	57	47	40	32	27.9
Calhoun Falls	Maximum	35	38	32	39	42	52	37	42	48	50	37	22	30	49	43	43	44	38	42	38	46	43	43	46	59	62	71	66	67	42	41	44.4
	Minimum	5	5	20	20	20	31	35	21	24	22	22	11	7	7	19	28	28	26	20	20	26	26	22	25	27	32	32	59	37	41	33	24.3
Camden §§	Maximum	29	34	28	35	48	59	47	41	43	36	63	...		55				51	40	35	34	33	...	...	...	62	62	63	53	45	40	b45.0
	Minimum	10	27	15	11	23	33	38	25	32	25	33	...	11	26	40				21	...	...	...	...	...	32	...	...	39	41	36	34	b28.0
Clemson College	Maximum	28	29	29	32	39	40	44	43	54	46	45	46	37	40	43	42	54	55	57	58	37	43	43	43	56	57	61	61	60	57	44	44.0
	Minimum	0	24	22	10	29	34	30	25	31	18	...	16	9	21	31	29	26	27	20	31	29	28	25	26	33	30	43	39	39	37	36	a26.6
Columbia	Maximum	29	31	30	38	52	54	53	42	44	50	64	51	31	52	57	51	51	43	44	40	35	39	44	49	63	65	71	63	54	47	42	47.7
	Minimum	6	26	15	13	31	42	31	26	30	25	30	15	10	22	34	30	31	28	24	31	26	27	25	27	39	41	57	39	39	35	33	28.6
Greenville	Maximum	28	27	29	32	38	40	39	38	43	45	37	34	28	41	43	29	40	35	35	36	29	36	39	41	55	53	59	60	59	45	44	40.4
	Minimum	8	21	18	15	28	36	27	22	28	26	30	8	4	20	31	28	25	25	19	28	25	23	21	25	31	37	46	32	35	32	32	25.3
Greenwood §§	Maximum	30	35	29	35	42	54	38	40	45	45	47	20	27	18	42	42	42	27	38	35	35	41	41	42	57	60	69	51	60	40	39	42.1
	Minimum	4	6	14	12	20	33	34	22	23	21	2	12	6	7	26	29	28	25	20	21	25	25	22	23	26	34	37	50	34	39	31	23.5
Heath Spring	Maximum	32	56	35	35	37	46	43	43	41	47	43	55	43	45	47	43	43	43	42	35	57	53	32	46	47	67	67	54	58	53	46	45.0
	Minimum	8	10	15	17	18	21	12	12	22	23	26	17	7	18	38	28	27	27	28	20	20	24	25	23	28	35	35	33	32	31	30	23.1
Kershaw §§	Maximum	32	34	24	39	50	52	55	42	43	49	70	36	30	60	49	50	50	47	39	40	34	37	42	51	62	63	57	44	55	39	34	47.2
	Minimum	6	23	11	9	21	33	24	23	28	21	26	17	8	11	28	28	30	30	20	20	21	20	23	26	35	31	47	35	33	33	31	24.4
Landrum	Maximum	34	29	32	36	47	42	41	39	46	51	45	34	28	45	41	39	44	39	37	38	35	42	43	46	60	58	57	55	62	55	44	43.3
	Minimum	2	22	16	10	22	35	31	21	23	25	21	12	1	16	31	22	21	20	10	27	21	22	21	19	26	28	40	31	34	33	30	22.3
Liberty	Maximum	37	30	31	33	38	40	40	40	47	45	59	33	30	40	44	38	36	36	39	38	38	[illegible]	41	43	58	56	60	41	67	55	42	42.0
	Minimum	0	23	19	10	25	34	30	21	28	28	28	13	5	21	21	28	24	19	29	29	26	[illegible]	21	26	29	31	38	35	35	35	33	24.8
Little Mountain	Maximum	31	35	34	36	48	51	53	51	51	53	59	62	41	48	55	66	47	42	41	37	38	39	41	48	61	64	70	61	55	53	40	48.5
	Minimum	9	24	12	16	31	38	36	24	30	36	32	15	9	22	39	28	29	28	21	25	24	30	22	28	36	48	56	38	35	33	33	28.6
Meriwether	Maximum	42	42	38	41	52	55		...			62	25		52			...			...		...		78	...	...	...	...	...	...	...	...
	Minimum	8	25	16	15	29	40						16	10	19					21	...			...	58	...	...	...	...	...	...	...	...
Monetta	Maximum	35	37	34	37	51	54	53	43	43	50	47	64	30	49	53	51	48	43	41	40	38	39	44	48	62	65	71	71	62	55	43	48.4
	Minimum	8	24	13	15	29	40	34	25	27	23	30	15	8	19	39	28	30	27	23	28	27	27	24	25	37	37	76	41	39	35	33	27.9
Mountain Rest	Maximum	31	26	26	34	39	40	41	39	43	45	32	39	31	41	41	37	40	33	31	36	32	4	2	47	59	54	64	59	62	54	50	41.6
	Minimum	1	20	17	11	21	34	25	13	24	11	21	5	1	15	31	21	14	12	12	27	23	23	16	18	31	26	46	49	43	33	31	21.7
Newberry	Maximum	32	39	31	37	49	50	51	42	41	48	42	59	29	51	51	45	46	41	40	37	36	41	43	47	60	65	70	64	59	53	40	46.1
	Minimum	2	20	12	9	27	37	32	24	20	20	27	15	8	20	38	29	29	25	20	30	25	26	22	26	35	31	34	34	25	35	32	25.3
Saluda	Maximum	33	38	38	38	48	52	53	43	47	50	44	63	31	48	53	50	46	42	43	41	37	41	46	47	61	55	73	68	56	56	41	47.9
	Minimum	4	21	18	18	29	38	33	25	25	19	23	15	6	18	37	27	29	21	22	24	26	27	23	25	35	28	56	36	56	35	32	26.2
Santuck	Maximum	32	33	29	24	46	51	48	40	37	47	29	31	28	46	46	44	46	42	38	36	34	39	40	45	58	63	68	62	58	53	45	44.2
	Minimum	2	23	12	9	29	36	31	23	29	22	26	15	8	20	33	28	29	26	20	28	23	26	22	27	34	32	40	32	34	33	31	25.3
Spartanburg §§	Maximum	33	29	31	34	45	40	39	39	48	47	37	20	24	46	45	42	45	39	38	37	30	39	41	45	57	55	56	38	58	36	41	40.8
	Minimum	3	4	13	8	15	29	33	26	21	26	23	14	5	6	23	27	26	23	17	17	21	21	22	23	27	32	33	31	30	31	30	21.2
Trenton	Maximum																								...	...	...	...	...	...	...	...	...
	Minimum																								...	...	...	...	...	...	...	...	...
White Oak	Maximum	32	34	30	35	46	48	52	39	45	48	41	64	29	48	52	46	47	42	39	28	35	39	41	48	60	64	68	63	56	53	38	45.8
	Minimum	1	23	11	12	30	38	33	23	28	23	28	20	9	20	10	29	29	26	20	27	22	25	23	27	35	38	53	33	34	33	31	26.7
Winthrop College	Maximum	33	3	28	31	46	49	57	40	45	46	40	19	28	45	47	45	48	45	39	35	33	39	42	45	58	57	55	55	57	51	39	43.8
	Minimum	8	23	10	8	26	36	34	21	30	21	27	16	7	21	32	30	28	20	17	30	20	24	22	25	32	32	45	32	32	32	31	24.9

Reference letters, (a, b, c), appearing in the table indicate number of days missing. For example, b represents two days missing, etc.

§§ Instruments are read in the morning, the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, January, 1918.



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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

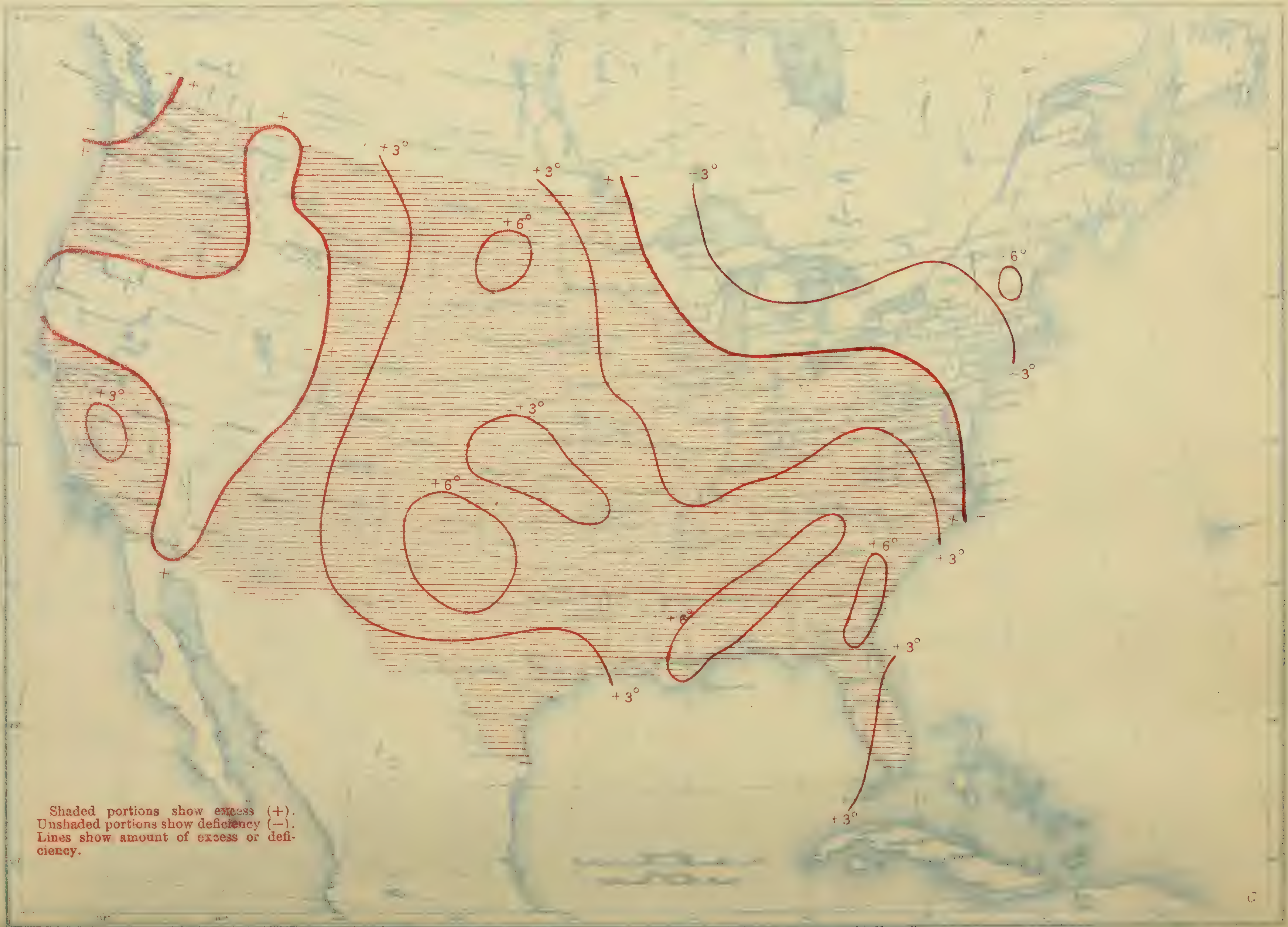
SOUTH CAROLINA SECTION

FEBRUARY, 1918.

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
April 1, 1918

Departure of the Mean Temperature from the Normal, February, 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

Vol. XXI. Columbia, S. C., February, 1918. No. 2.

GENERAL SUMMARY.

The extreme and persistent cold of the two preceding months was followed by exceptionally warm weather during February—in fact, the warmest since 1890. The month was unusually dry; the seasonal rainfall expectancy for February is 4.35 inches, and but an average of 1.89 inches was measured.

The intermittent showers after the opening week kept the soil in generally good condition for cultivation, which was extensively carried on throughout the Section. Wheat and early oats, though considerably thinned by winter freezes, have improved and are better than was expected; late-planted oats suffered most, and much of this land, together with other areas, has been turned to spring oats, which have reached good stands nearly everywhere. Rye suffered much less than other grain crops and was in good condition at the close of the month. Garden and truck planting has proceeded satisfactorily in the lower and middle counties, and potatoes and cabbage have made vigorous growth. The earlier varities of trees were budding in the northwestern counties at the close of the month, woods were greening in the middle counties, and all vegetation was leafing on the lower coastal plain; peaches and plums were in bloom in the west-central counties. The month closed with the season about one week early.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 30.16 inches. The highest pressure in the region covered by reports was 30.75 inches at Asheville, N. C., on the 21st, and in the Section proper, 30.65 inches at Columbia on the same date; lowest pressure, 29.34 inches at Asheville, N. C., on the 25th, and in the Section proper, 29.43 inches at Greenville on the 26th.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 42 stations, was 52.4°, or 5.4° above the established normal. The highest temperature was 88° at Florence No. 1, Florence County, on the 15th, or 1° above the February record, which occurred last year. The warmest periods were on the 14th and 15th and at the close of the month. The lowest temperature was 11° at Anderson, Anderson County, on the 5th. The coldest period was between the 3d and 6th.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 81%; 8 p.m., 68%. The highest percentages occurred in the northern coast district, and the lowest, over the northern interior.

PRECIPITATION.

The average for the Section, 54 stations reporting, was 1.89 inches, or 2.46 inches below the established normal. The rainfall was fairly distributed as to area and quite copious about the opening of the month; during the period, 10th to 22d, however, the showers were fitful and intermittent, and generally light in quantity. As a whole, the precipitation was 2 to 3 inches below the amount usual to February, the monthly measurements being below 1 inch over the southern tip of the State and in a small area of Darlington County, and above 3 inches in the upper Piedmont. The greatest local monthly amount was 3.55 inches at Liberty, Pickens County, and the least amount was 0.80 inches at Darlington, Darlington County. The greatest 24-hour amount at any station was 1.80 inches at Walterboro, Colleton County, on the 3d. The average number of rainy days was 14% below normal.

Snow flurries occurred at Landrum on the 1st and 2d and at 7 stations in the upper Piedmont on the 22d, and 3 stations reported sleet on the latter date.

WIND.

The prevailing winds were from the southwest. The average hourly velocity, determined from 8 anemometer records, was 9.3 miles. The highest average velocity in the region covered by reports was 11.6 miles per hour at Savannah, Ga., and the lowest average was 5.7 miles per hour at Augusta, Ga.; the averages in the Section proper were 10.4 miles per hour at Charleston and 7.9 miles per hour at Columbia. The highest velocity for any 5-minute period was 48 miles per hour from the west at Charlotte, N. C., on the 26th, and in the Section proper, 45 miles per hour from the northwest at Greenville on the same date.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 183.6 hours, or 60% of the possible amount. The average number of clear days was 14; partly cloudy, 7, and cloudy, 7, as against normals of 13, 6, and 9 days, respectively.

RIVER CONDITIONS.

The moderate floods in the Pee Dee and Santee river districts during the latter part of February and the early part of March were attended by unavoidable losses estimated at $5,773, while the approximate value of movable property saved by timely warnings was $51,900. The Santee River maintained a good stage of navigable water throughout the month; otherwise, the remaining rivers of the Section were relatively low after the first week, incident to the prolonged dry weather.

MISCELLANEOUS PHENOMENA (dates).

Halos.—Lunar: Charleston, 14; Columbia, 15, 25; Greenville, 15, 17; Walhalla, 15, 16. *Solar:* Columbia, 14; Liberty, 13, 25.

ERRATA.

December, 1917. Allendale, precipitation, pages 92 and 93, should be 1.37.

Annual, 1917. Allendale, December precipitation, page 102, should be 1.37; annual precipitation, pages 101 and 102, should be 46.63. Florence, No. 2, annual precipitation departure, page 102, should be −3.64.

January, 1918. Catawba, total precipitation, pages 4 and 5, should be 5.85. Chappells, total precipitation, pages 4 and 5, should be 5.32.

MISCELLANEOUS DATA FOR FEBRUARY, 1918.

Stations	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction	8 a. m.	8 p. m.	
Asheville, N. C.	30.17	44.4	77	9	1.98	0.86	10.3	se.	74	59	52
Augusta, Ga.	30.16	54.4	82	25	1.82	1.02	5.7	nw.	86	69	57
Charleston, S. C.	30.17	55.2	78	27	1.31	0.75	10.4	sw.	82	80	75
Charlotte, N. C.	30.15	48.6	75	21	1.92	0.73	11.1	sw.	79	63	56
Columbia, S. C.	30.17	53.8	81	25	1.42	0.81	7.9	w.	79	58	48
Greenville, S. C.	30.13	49.4	74	17	2.99	1.33	9.6	sw.	80	66	64
Savannah, Ga.	30.17	59.0	80	29	0.66	0.27	11.6	sw.	82	72	61
Wilmington, N. C.	30.17	51.6	77	24	2.77	1.42	8.4	sw.	84	76	65
Means and extremes	30.16	52.0	82	9	1.86	1.42	9.3	sw.	81	68	60

Climatological Data for February, 1918.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip'n (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	R. B. Vance.
Beaufort	Beaufort	21	31	54.5	+3.1	75	†24	36	†2	34	0.81	3.08	0.33	0	3	..	.	..	se.	Miss Lillian H. Rice.
Blackville	Barnwell	296	29	55.5	+8.3	85	28	19	5	53	1.71	-2.76	0.85	0	6	17	3	8	...	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	17	52.6	+5.2	84	28	20	†5	54	2.35	-1.88	1.68	0	6	14	8	6	w.	B. O. Evans.
Centenary	Marion	43	3	51.2	...	82	28	22	5	46	1.70	...	0.91	0	6	12	9	7	sw.	D. L. Carmichael
Charleston	Charleston	48	47	55.2	+3.5	78	20	27	5	30	1.31	-2.10	0.75	0	6	14	7	7	sw.	U. S. Weather Bureau
Cheraw ††	Chesterfield	144	28	[a]47.8	+3.3	[a]75	15	20	5	[a]34	1.62	-2.70	0.60	0	7				...	J. H. Powe.
Conway	Horry	25	32	[a]54.0	+6.7	83	28	[a]24	5	[a]42	2.72	-1.87	1.47	0	7				...	Paul Quattlebaum.
Darlington	Darlington	175	23	50.9	+6.3	81	18	21	†5	39	0.80	-3.80	0.25	0	5	20	1	7	...	D. C. McCall.
Edisto ‡‡	Bamberg	143	30	...	...		...	...	..		1.57	-3.44	1.05	0	8			..	...	Nathan Jenkins.
Effingham	Florence	106	25	...	...	.		.	...	...	1.79	3.64	0.96	0	7			...	..	H. B. McCall.
Ferguson	Orangeburg	63	32	52.8	+5.1	83	28	26	5	47	1.95	-2.13	0.85	0	7	11	7	10	sw	Henry C. Savage.
Florence 1	Florence	136	29	52.9	+7.3	88	15	23	5	39	1.43	2.97	0.94	0	6	14	10	4	sw.	H. K. Gilbert.
Florence 2	do	136	3	...	.		...	.	...		1.49	-2.91	0.41	0	6	17	4	7	w.	Pee Dee Experiment Sta
Georgetown	Georgetown	12	23	54.6	+6.1	82	†15	27	5	40	1.85	2.69	1.40	0	2	15	10	3	n.	A. P. Hazard.
Kingstree	Williamsburg	54	29	52.5	+5.4	81	†15	23	5	44	2.09	2.14	1.35	0	3	14	5	9	sw.	A. O. Matthews.
Oaks	Georgetown	...	3	54.6	...	83	28	24	5	46	1.97		1.25	0	6	17	1	10	s.	O. M. Mitchell.
Orangeburg	Orangeburg	264	2	52.2		83	28	22	†5	43	1.30		0.90	0	4	7	11	10	w.	U. S. Fisheries Station.
Pinopolis **	Berkeley	54	68	53.5	+5.4	76	15	28	5	.	1.98	-1.54	1.00	0	6	15	7	8	nw.	Miss E. P. Ravenel
Rimini	Clarendon	97	4		.		.		..	.	1.94		1.00	0	5				...	William B. Wolfe.
St. George	Dorchester	109	29	56.4	+9.3	84	15	26	5	46	1.74	2.41	1.15	0	9	18	4	6	sw.	R. S. Weeks.
St. Matthews	Calhoun	62	22	53.1	+7.5	83	28	20	5	39	2.33	2.61	1.07	0	3	17	7	4	sw.	J. S. Wannamaker.
Society Hill	Darlington	192	26	50.5	+6.1	82	15	20	5	38	1.58	3.18	0.78	0	7	15	2	11	s.	A. H. Rogers.
Summerville	Dorchester	75	20	56.0	+7.2	83	28	22	5	46	1.66	2.78	0.92	0	8	13	13	2	sw.	Miss E. B. Gadsden.
Walterboro	Colleton	69	15	55.6	+5.2	84	15	21	5	50	2.75	-1.57	1.80	0	6	17	5	6		J. N. Frank.
Yemassee	Hampton	24	22	55.4	+7.0	83	†15	21	5	43	1.19	-2.84	0.55	0	5	17	1	10	sw.	S. G. Hutson
Division means and extremes		...		53.9	+6.6	88	15	19	5	53	1.75	2.64	1.80	0	6	15	6	7	sw	
Western Portion.																				
Aiken	Aiken	527	57	56.0	+7.0	83	28	21	5	42	2.04	-2.04	0.56	0	7	18	3	9	w.	Frank B. McCoy.
Anderson	Anderson	764	22	50.6	+6.7	78	28	11	5	46	2.53	-2.75	0.85	T	10	16	0	12	w.	H. H. Russell.
Batesburg	Lexington	656	29	52.2	+7.4	80	28	22	5	38	2.09	-3.79	0.97	0	5	13	6	9	sw.	E. J. Hite.
Blairs	Fairfield	293	15	...	...	...	..	..	.		1.87	-2.03	0.67	0	9					J. N. Owens
Calhoun Falls	Abbeville	508	25	50.2	...	80	28	20	†5	47	1.94	-3.22	0.88	0	5	13	5	10	s.	L. M. Parker.
Camden	Kershaw	222	58	[b]50.6	+3.1	[b]78	15	[b]21	6	[b]34	1.65	-2.30	0.87	0	8	15	5	8	ne.	W. C. Brown
Catawba	York	562	14	...	...	..	.	...	...		1.48	-3.03	0.60	0	4				...	James C. Faris.
Chappells	Newberry	402	14	. .	.			.			1.82	-1.89	0.67	0	7					J. C. Murran
Clemson College	Oconee	850	26	50.8	+8.4	73	†15	20	5	42	2.70	-2.72	0.74	0	7	16	6	6	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	31	53.8	+6.0	81	28	25	5	33	1.42	-3.17	0.81	0	9	9	9	10	w.	U. S. Weather Bureau
Edgefield	Edgefield		4	.	..	...	..	.	.		1.31		0.40	0	6			...	..	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	5	..		..	..	.	.		2.11	-2.29	0.54	T	8				...	Harry A. Parshall
Greenville	Greenville	1039	25	49.4	+8.9	74	28	17	5	31	2.99	2.29	1.33	T	11	7	11	7	sw	U. S. Weather Bureau
Greenwood	Greenwood	671	29	48.8	+5.8	74	†14	20	5	41	1.97	-2.84	0.57	0	7	16	0	12	w.	M. M. Calhoun
Heath Spring	Lancaster	568	17	46.8	+4.8	77	28	20	5	46	1.70	-2.58	0.63	0	6	6	16	6	w.	J. Marvin Bowers
Kershaw	Kershaw	560	2	48.0	..	79	25	19	5	38	1.48	. .	0.70	0	7	15	2	11	e.	John W. Hamel.
Landrum	Spartanburg	1063	3	49.6	. .	78	†15	16	6	51	2.69		0.76	T	7	15	7	6	. .	R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	19	50.0	+7.5	76	28	16	5	41	3.55	-2.24	1.45	T	8	10	14	4	sw.	John T. Boggs
Little Mountain	Newberry	711	25	53.2	+8.0	80	15	21	5	39	1.80	-2.99	0.51	0	8	13	1	14	w.	J. M. Sease, M. D.
Meriwether	McCormick	450	15	[c]51.5	+5.1	[c]83	28	[c]21	5	[c]52	1.50	-3.08	0.50	0	4				...	William S. Middleton
Monetta	Saluda	400	11	54.5	+6.7	81	28	22	5	46	1.82	3.01	0.51	0	8	9	15	4	sw	Joseph M. Johnson.
Mountain Rest	Oconee	1380	3					.	.	.		.	..	...					sw.	James L. Brown.
Newberry	Newberry	502	15	52.9	+8.7	80	28	21	4	40	1.70	-2.44	0.45	0	11	7	10	11	.	Warren G. Peterson
Pelzer	Anderson	850	14	.	.	..	.	.	.....		2.16	-2.32	0.66	0	10		.	.	w.	Joshua Y. Jones.
Saluda	Saluda	536	17	51.8	+5.5	80	28	20	5	50	2.00	-2.74	0.59	0	7	16	6	6	w.	Mrs. F. V. J. Maxwell
Santuck	Union	512	25	50.7	+8.1	78	28	20	5	46	1.50	-3.41	0.49	T	8	11	10	7	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	35	[a]48.4	+6.0	[a]79	28	20	†5	[a]43	2.64	-2.12	1.02	T.	9				...	F. P. Robinson
Trenton	Edgefield	620	29	..	.....	.	.	....	...	..	.		.	..				.	..	Mrs. S. E. Long
Walhalla	Oconee	1061	15		...			.	..		3.25	-1.97	0.95	T	11	8	12	8	sw.	H. W. Brandt.
White Oak	Fairfield	548	2	52.5	+7.4	79	†15	21	5	41	1.53	-2.75	0.67	0	7	16	5	12	sw.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	19	50.4	+7.7	77	28	19	5	42	1.37	-2.75	0.45	0	5	11	10	7	s.	W. P. Goodman.
Division means and extremes				51.1	+6.8	83	28	11	5	52	2.02	-2.67	1.45	T	8	12	7	9	sw	
Section means and extremes				52.4	+5.4	88	15	11	5	53	1.89	-2.46	1.80	T.	7	14	7	7	sw	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (a, b, c), appearing in the table indicate number of days missing; for example, b represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.
T Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for February, 1918.

Stations.	Watersheds.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale †	Savannah																																
Beaufort	Coast			.17																.33			.31										0.81
Blackville †	Edisto	.06	.10	.75										.25				.30				.25											1.71
Bowman	do		.28	1.68	T.									.12	T.		.11		.06			T.	.10										2.35
Centenary	Pee Dee		.25	.91							T.			T.			.04	T.		.03	.04		.43				T.						1.70
Charleston ***	Coast		.08	.67									T.	.27				.24	T.	T.	.04		.01										1.31
Cheraw †	Pee Dee			.52										.09		.05		.60		.06	.24	.06											1.62
Conway †	Waccamaw	.10		1.47	.05						T.			.57				T.		.06		.10		.37									2.72
Darlington †	Pee Dee	T.									.17			.20				.25			.13	.05											0.80
Edisto †	Edisto			.94	.11									.14				.09		.06	.09	.10		.04									1.57
Effingham	Lynches			.96	.07						.11			.18				.28		.11	.08												1.79
Ferguson	Santee		T.	.85	.60									.15						.09	.11	.01		.14									1.95
Florence 1 †	Pee Dee	.04	.18	.94	.04						.09			.14																			1.43
Florence 2	do		.38	.41										.20			.20		.10	T.	.20		T.										1.49
Georgetown	Coast		.45	1.40																T.			T.										1.85
Kingstree †	Black			1.35										.20				.50		T.	.04												2.09
Oaks	do	T.	.17	1.25										.30				.03			.04		.18										1.97
Orangeburg	Edisto	T.	T.	.90	T.									.20	T.					.10	T.	T.	T.	.10									1.30
Pinopolis	Cooper	.02	.50	1.00										.23			.07						.16										1.98
Rimini †	Santee			1.00										.50				.18		.18	.08												1.94
St. George †	Edisto	.02		1.15	.15									.02				.09		.03	.05	.06		.17									1.74
St. Matthews †	Santee			.88										1.07							.38												2.33
Society Hill †	do			.58							.08			.14				.58		.06	.09	.05											1.58
Summerville	Ashley		.08	.92										.10				.12	.02	.02	.09		.31										1.66
Walterboro	Ashepoo	.06	.10	1.80										.11				.48					.20										2.75
Yemassee	do	T.		.40	.12									T.				.55		T.	.03	T.		.09									1.19
Western Portion.																																	
Aiken	Edisto		.56	.43										.53			.11	.10		.18	.13												2.04
Anderson	Savannah		.85	.07							.05		.29		.22		.35	.16	.05	.29	.20		T.										2.53
Batesburg †	Edisto			.97				T			T.			.40				.29		.21		.22											2.09
Blairs	Broad			.46	.06						.11			.17		.06		.67		.27	.02	.05											1.87
Calhoun Falls †	Savannah							T			.02			.88		.02		.78		.24			T.										1.94
Camden †	Wateree			.79	.08						.05			.11				.40		.09	.07	.06											1.65
Catawba †	Catawba			.49													.20			.60	.19												1.48
Chappells †	Saluda		.05	.48	T						.05			.21				.67		.32	.04												1.82
Clemson College	Savannah		.60							.21			.08			.38	.74			.55	.14												2.70
Columbia **	Congaree	T	.56	.26						.03			.22		T.		.21	.02	.06	.01	.05		T.										1.42
Edgefield	Savannah		.40	.20										.40			.15	.06		.10													1.31
Gaston Shoals †	Broad		.04	.46				.03			T.			T.		.39	.25	.29		.35	.30			T			T.						2.11
Greenville ***	Saluda	T.	.52	.07						.02	T.		.05	.01	1.33		.50		.07	.31	.10		T.		T.		.01						2.99
Greenwood †	do			.45	.03						.23			.36				.57		.28	.05												1.97
Heath Spring	Wateree		.47										.12		.10		.63			.17	.21												1.70
Kershaw	Lynches			.49							.03			.09		.03		.70		.12		.02											1.48
Landrum	Broad	T.	.40	.03									T.			.27	.76	.06		.53	.64		T.										2.69
Liberty	Savannah		.50							.04			.25		.34	.32	1.45			.25	.40		T.										3.55
Little Mountain	Saluda		.51	.20							.10			.25			.39	.05		.25	.05												1.80
Meriwether	Savannah	.50											.30		.30		T.		.40	T.	T.		T.										1.50
Monetta	Edisto		.51	.25										.49		.02	.19	.08		.16	.12		T.										1.82
Mountain Rest	Savannah																																
Newberry	Saluda		.33	.10				T.			.07		.15	.01	.02		.45	.12		.32	.08		.08			T.							1.70
Pelzer	do		.04	.58							.04			.20		.12	.18	.48		.30	.18						.04						2.16
Saluda	do	.59		.20									.35	.05			.36	.18		.27													2.00
Santuck	Broad		.40	.05									.16			.02	.49	.03		.22	.13		T.										1.50
Spartanburg	do	.02	.08		.45						T					1.02	.05	.52		.28	.20	.02	T.										2.64
Trenton	Edisto																																
Walhalla	Savannah		.51	.06				.01		.05			.09		.72		.95	.03	T.	.55	.26		T.			T.	.02						3.25
White Oak	Broad		.40	T.							.03		.16				.62	.05		.14	.13												1.53
Winthrop College	Catawba		.45										.25				.35			.27	.05												1.37

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. † Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature.			Precipitation		Average number of days.			Prevailing wind direction.
	Mean.	Highest	Lowest	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	52.6	80	24	3.41	12				
1888	49.9	76	15	4.83	10				ne.
1889	41.9	75	10	5.60	8				*w.
1890	56.1	83	21	2.38					sw.
1891	54.7	83	13	4.23					sw.
1892	49.2	73	18	3.64					*sw.
1893	51.0	82	25	5.05	12				
1894	48.9	76	16	4.35	10	8	9	11	sw.
1895	37.4	78	− 6	3.07	7	13	6	9	nw.
1896	48.2	81	5	6.13	8	13	8	8	sw.
1897	50.0	83	15	7.80	11	10	7	11	sw.
1898	44.5	78	10	0.86	3	15	6	7	w.
1899	43.0	80	− 11	6.98	12	9	7	12	w.
1900	44.0	78	1	5.77	10	9	7	12	w.
1901	43.2	78	7	3.08	6	14	7	7	nw.
1902	40.6	77	11	5.89	8	12	6	10	nw.
1903	49.0	81	11	7.03	10	10	7	11	sw.
1904	45.2	86	15	3.59	9	12	6	11	ne.
1905	38.9	72	0	5.21	9	10	4	11	ne.
1906	46.0	76	12	2.58	6	16	5	7	ne.
1907	45.1	84	16	3.63	8	10	8	10	ne.
1908	43.6	81	12	5.28	10	14	6	9	w.
1909	52.2	84	12	4.49	8	15	7	6	sw.
1910	44.7	79	15	4.71	9	12	6	10	w.
1911	52.1	85	20	1.60	5	13	8	7	sw.
1912	42.3	80	8	5.99	8	15	5	9	w.
1913	48.9	80	22	4.50	8	12	4	12	w.
1914	44.6	78	14	4.41	9	12	6	10	n.
1915	48.6	80	20	3.15	6	15	6	7	n.
1916	48.5	81	11	3.96	8	17	6	6	sw.
1917	47.3	87	2	4.11	8	14	7	7	sw.
1918	52.1	88	11	1.89	7	14	7	7	sw.
Period	47.0	88	−11	4.35	8	13	6	9	sw.

*Also nw.

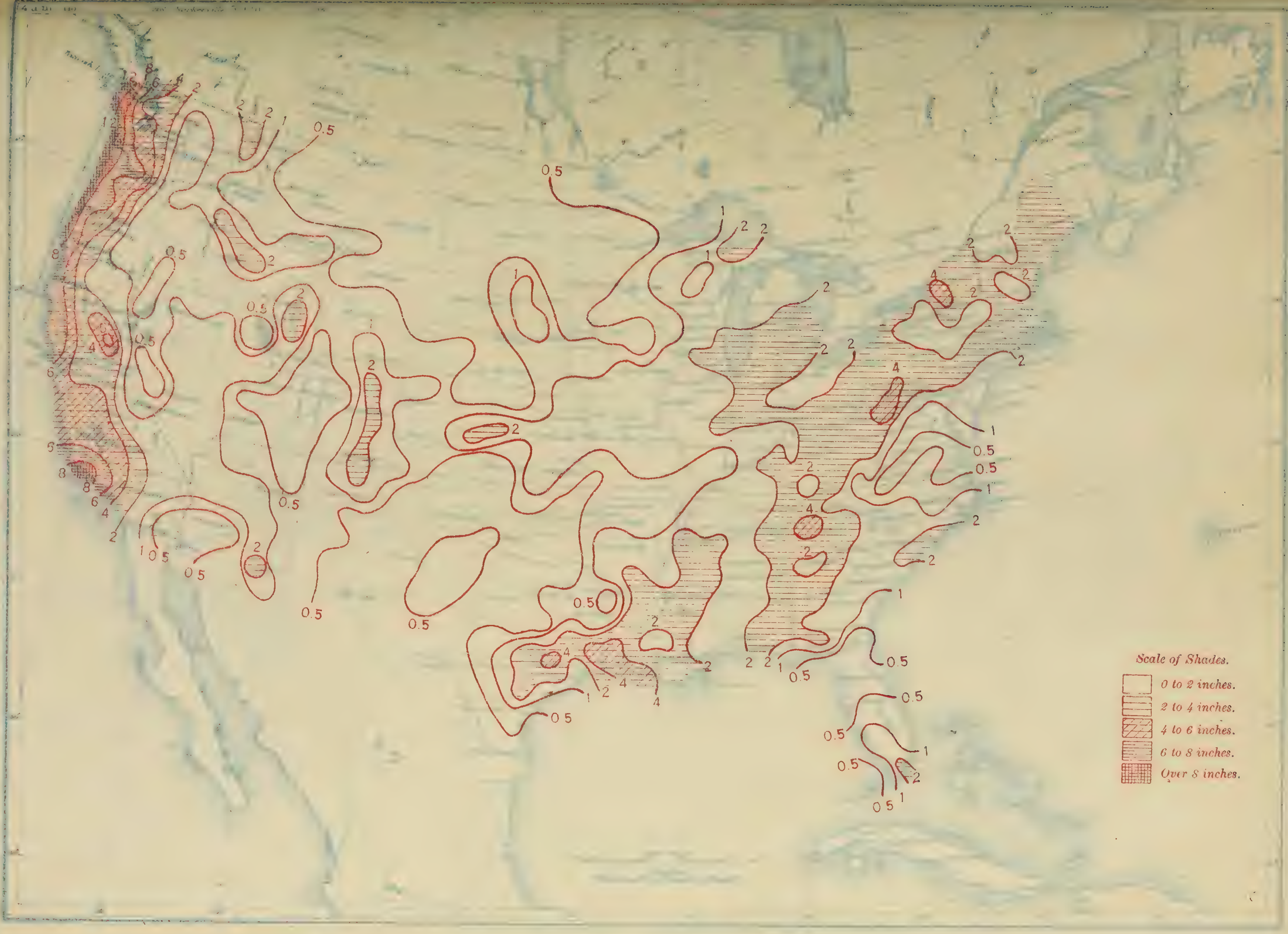
Daily Temperatures for February, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum																																...
	Minimum																																...
Beaufort	Maximum	55	44	65	45	48	68	70	69	72	73	73	72	73	68	71	74	72	72	73	72	65	67	63	75	75	68	70	75				67.4
	Minimum	42	36	43	36	37	40	40	39	42	41	42	40	41	40	43	42	42	41	44	40	38	42	40	42	42	60	41	50				41.6
Blackville §	Maximum	63	64	58	54	72	74	75	76	75	76	76	77	79	81	79	79	76	75	77	67	68	68	70	69	68	64	75	85				72.1
	Minimum	36	37	40	21	19	39	40	42	40	37	44	43	45	45	43	40	38	37	42	45	40	37	40	41	39	38	35	45				38.9
Bowman	Maximum	40	41	50	50	56	61	70	75	74	73	75	78	77	80	81	67	62	58	74	62	55	54	62	74	75	74	75	84				66.3
	Minimum	35	33	38	30	20	20	34	35	36	37	31	38	56	46	55	48	47	37	45	48	38	33	30	40	57	56	30	40				39.0
Centenary	Maximum	49	41	52	59	39	62	70	75	74	73	72	77	77	74	81	77	60	56	73	71	65	46	59	73	78	73	72	82				66.4
	Minimum	37	36	39	33	22	26	39	38	40	49	37	39	58	52	64	44	46	34	47	63	38	36	32	35	51	56	36	46				41.9
Charleston	Maximum	44	46	58	51	43	61	68	65	75	75	58	68	75	70	77	61	59	53	69	78	57	60	52	66	77	70	66	77				63.5
	Minimum	40	38	44	34	27	34	46	45	45	55	45	50	57	52	57	50	51	44	53	57	45	47	42	45	55	52	48	55				46.9
Cheraw §§	Maximum	36	42	51	37	34	54	52	70	70	70	70	71	70	72	75	53	58	48	70	68	57	48	57	70	74	58						56.8
	Minimum	32	34	36	30	20	26	46	42	44	48	36	48	50	47	62	41	42	34	38	62	32	27	33	38	52	48	38					38.9
Conway §§	Maximum	41	46	54	45	54	64	70	75	74	73	73	78	77	68	81	54	63	69	72	74	59	46	60	74	80	69	71	83				66.0
	Minimum	36	36	38	35	24	27	39		38	49	37	36	59	54	58	48	47	35	40	62	37	37	32	33	52	62	37	45				[a]42.0
Darlington §§	Maximum	37	42	53	43	40	60	70	75	73	70	73	75	76	74	81	52	61	55	73	70	53	49	60	79	62	74	74	80				63.7
	Minimum	34	34	36	32	21	21	32	35	43	45	35	43	49	49	54	48	42	35	25	54	35	35	28	35	51	35	42	42				38.1
Ferguson §§	Maximum	46	62	60	44	46	62	70	74	73	74	74	77	76	80	81	72	64	51	73	73	55	[illegible]	62	73	78	68	74	83				66.7
	Minimum	36	36	38	34	26	27	28	36	39	38	35	39	44	48	52	48	42	40	38	50	41	38	32	33	[illegible]	57	34	36				38.9
Florence 1 §§	Maximum	37	41	52	40	41	62	72	78	77	73	76	76	78	81	88	86	64	66	74	69	57	48	62	74	78	68	75	78				66.8
	Minimum	34	34	36	32	23	24	32	39	39	44	39	39	45	49	48	48	48	41	41	41	35	35	32	43	48	56	37	41				39.0
Georgetown	Maximum	44	45	60	45	44	65	71	74	76	75	69	76	78	76	82	55	59	64	71	78	64	58	58	74	80	71	72	82				66.8
	Minimum	37	37	40	36	27	28	34	41	40	47	40	43	48	52	54	48	47	39	45	58	40	44	35	34	40	61	44	48				42.4
Kingstree §§	Maximum	40	42	53	45	44	63	70	75	74	72	74	77	76	79	81	56	62	55	73	73	57	48	60	74	80	67	74	81				65.2
	Minimum	35	36	38	34	23	25	27	40	41	44	38	38	46	53	53	49	47	37	37	55	38	36	32	30	49	58	37	38				39.8
Oaks	Maximum	44	42	55	52	46	63	71	77	75	74	78	79	77	79	81	68	64	56	73	75	64	59	62	71	81	76	75	83				68.0
	Minimum	37	37	39	35	24	25	37	38	40	49	37	38	57	52	62	48	47	37	50	47	39	37	32	32	52	45	37	45				41.2
Orangeburg	Maximum	42	42	58	44	45	62	71	77	75	72	73	78	76	86	82	60	62	51	77	69	50	55	60	73	78	67	75	83				65.8
	Minimum	34	36	37	32	22	22	25	37	39	42	35	37	45	47	45	49	42	40	39	50	39	40	31	41	41	60	33	38				38.5
St. George §§	Maximum	41	44	57	44	48	64	71	71	76	79	77	78	79	83	84	59	64	53	73	72	56	51	63	75	74	69	77	83				66.7
	Minimum	39	37	43	35	26	28	45	43	45	55	40	46	61	53	62	56	51	43	51	61	43	42	37	42	58	65	37	50				46.2
St. Matthews §§	Maximum	39	44	55	45	43	60	71	77	74	75	75	76	74	79	80	70	60	54	75	69	53	54	61	73	77	69	74	83				65.7
	Minimum	35	35	36	31	20	23	37	46	44	50	38	46	52	50	55	50	45	37	38	53	38	35	34	40	53	58	36	44				41.2
Society Hill §§	Maximum	37	40	53	41	36	58	71	75	71	71	72	73	76	72	82	52	59	52	72	71	50	47	58	71	77	64	72	79				62.6
	Minimum	33	33	36	31	20	21	30	37	41	51	36	43	47	49	55	47	41	33	34	48	34	34	28	37	51	54	33	41				38.4
Summerville	Maximum	43	42	59	57	47	65	69	75	76	75	74	76	78	81	81	78	64	50	73	75	62	53	60	74	78	75	71	83				67.8
	Minimum	39	37	41	34	22	27	38	40	41	57	39	41	57	52	63	53	51	42	48	61	42	38	37	35	57	58	37	48				44.1
Walterboro	Maximum	47	43	60	58	50	67	71	76	76	83	78	78	80	82	84	79	65	50	58	63	62	66	65	75	78	81	81	81				69.2
	Minimum	41	37	41	34	21	26	37	38	41	46	34	59	59	50	62	60	49	[illegible]	37	39	48	39	35	32	31	48	31	49				42.0
Yemassee §§	Maximum	50	50	52	46	49	65	71	76	76	76	77	78	80	80	83	76	63	53	79	73	60	57	63	76	78	71	75	83				68.4
	Minimum	41	36	38	32	21	23	43	43	43	43	37	43	43	49	49	58	53	43	44	55	46	41	58	23	54	55	35	47				42.5
Western Portion.																																	
Aiken	Maximum	44	44	55	53	43	60	69	76	74	73	76	73	76	77	80	76	61	59	74	74	63	58	61	69	75	72	74	83				66.9
	Minimum	36	37	40	32	21	27	47	48	48	55	38	51	59	54	62	45	48	40	43	61	59	39	34	43	60	73	49	53				45.1
Anderson	Maximum	44	42	58	50	43	56	69	72	74	71	74	69	73	73	76	61	61	49	55	71	55	51	62	64	68	68	69	78				62.6
	Minimum	35	37	37	25	11	23	42	38	50	44	34	46	48	45	59	41	40	35	36	46	34	34	25	38	53	40	34	49				38.6
Batesburg §§	Maximum	40	48	54	46	60	56	67	70	71	69	70	70	73	75	78	57	70	50	67	65	53	55	50	70	78	62	72	80				63.2
	Minimum	35	35	36	30	22	25	32	50	49	50	43	47	49	52	55	41	44	38	42	45	38	36	34	39	50	55	40	43				41.2
Calhoun Falls	Maximum	41	42	58	41	46	59	67	73	75	69	75	71	74	75	76	53	62	50	63	71	55	51	64	67	73	62	70	80				63.0
	Minimum	33	39	39	30	20	20	24	39	39	48	36	34	49	47	48	52	45	38	37	41	35	36	32	30	41	48	32	33				37.4
Camden §§	Maximum	39	40	53	49	41	55	56	73	70	67	73	70	73	74	78	62	54	51	69	68	55	51	56	57	74			76				[b]60.9
	Minimum	35	36	36	34	25	21	33	38	40	51	37	46	46	46	60	52	42	37	41	40	37	37	36	40	45	46						[b]40.4
Clemson College	Maximum	47	47	56	55	40	50	65	69	69	69	69	68	68	68	73	66	61	55	51	66	65	56	56	61	68	68	63	73				61.5
	Minimum	40	40	40	30	20	22	43	37	51	47	34	39	47	41	57	46	45	38	38	56	36	36	29	39	50	45	31	48				40.0
Columbia	Maximum	40	39	57	45	41	58	67	74	73	69	74	73	74	76	77	63	59	49	72	67	52	55	58	70	74	70	72	81				63.5
	Minimum	35	36	39	31	25	25	48	45	52	55	43	50	60	53	62	43	47	28	44	52	38	36	36	43	58	51	39	51				44.1
Greenville	Maximum	48	43	57	38	38	51	65	68	68	66	70	65	69	78	72	56	58	44	51	68	55	50	58	63	67	67	66	74				59.0
	Minimum	37	37	37	24	17	26	41	41	31	45	39	48	49	49	55	40	39	32	36	40	36	34	32	42	52	43	40	51				39.8
Greenwood §§	Maximum	40	40	55	39	40	56	65	70	72	76	70	68	71	74	71	52	60	49	63	69	52	48	59	68	71	60	67	67				60.5
	Minimum	31	35	37	30	20	21	24	42	43	50	39	39	49	46	46	49	42	36	35	40	34	35	30	31	46	47	32	33				37.2
Heath Spring	Maximum	39	40	49	45	40	50	58	65	71	67	69	68	71	61	61	61	58	52	54	64	61	66	58	55	58	60	68	77				58.6
	Minimum	31	32	32	29	20	24	35	40	42	51	44	40	41	31	31	38	41	31	35	51	32	31	32	32	30	30	31	46				35.1
Kershaw §§	Maximum	39	46	39	32	40	50	52	73	73	69	73	74	57	76	67	49	46	46	74	70	36	37	60	72	79	61	71	72				58.1
	Minimum	32	34	34	36	19	26	34	40	45	48	41	44	47	51	53	49	39	33	33	33	32	33	31	34	50	41	34	39				37.8
Landrum	Maximum	55	44	53	47	40	53	67	71	71	70	71	66	70	66	78	68	56	53	47	65	58	55	66	68	66	67	65	78				61.7
	Minimum	35	36	37	24	17	16	34	32	45	46	48	55	47	43	51	40	38	29	40	46	33	30	28	30	46	40	30	41				37.4
Liberty	Maximum	49	43	48	41	40	52	66	69	70	70	70	61	70	66	73	63	58	55	61	68	60	52	60	65	68	67	65	76				60.9
	Minimum	38	38	39	26	16	22	40	37	52	42	33	46	52	43	55	46	39	35	39	49	35	35	30	38	49	42	33	46				39.1
Little Mountain	Maximum	40	42	58	48	43	53	68	75	75	75	73	73	73	77	80	70	59	56	67	70	59	51	59	65	72	70	70	75				64.1
	Minimum	33	36	38	30	21	36	45	48	50	53	51	50	[illegible]	58	63	41	46	36	42	51	36	36	34	40	41	49	36	28				42.4
Meriwether	Maximum															79	68	64	64	64	67	67	67	70	70	76	73	73	83				[p]63.2
	Minimum					21											44	47	40	40	19	35	35	32		58	40	31	46				[o]39.8
Monetta	Maximum	42	42	56	55	47	58	68	73	73	71	75	72	74	76	78	75	60	58	73	72	65	56	60	69	71	71	73	81				66.0
	Minimum	35	36	38	31	22	26	45	45	48	53	40	47	56	53	61	43	46	39	42	54	38	37	34	40	59	52	35	49				43.0
Mountain Rest	Maximum																																...
	Minimum																																...
Newberry	Maximum	41	41	57	56	57	58	68	72	74	70	74	72	73	78	78	65	60	51	56	69	63	58	60	68	73	70	70	80				64.6
	Minimum	35	37	39	21	24	23	43	37	49	52	34	44	70	47	63	42	45	36	40	48	36	35	29	39	53	49	50	54				41.2
Saluda	Maximum	42	43	56	55	43	58	73	74	73	70	73	71	74	76	78	67	62	59	58	68	62	53	60	68	74	71	73	80				64.8
	Minimum	35	37	38	30	20	22	36	37	45	51	31	39	53	43	63	42	41	47	38	42	35	32	27	37	57	50	30	41				38.9
Santuck	Maximum	41	62	56	52	38	57	68	73	72	70	71	70	72	68	77	63	58	52	51	69	56	47	59	71	70	70	68	78				62.8
	Minimum	34	37	37	29	20	22	43	35	48	47	35	42	46	45	55	40	43	34	39	48	33	32	29	40	53	41	32	42				38.6
Spartanburg §§	Maximum	45	39	53	38	48	54	68	71	71	70	73	70	72	65	76	70	58	48	57	68	54	53	61	69	69		68	79				[a]61.7
	Minimum	30	35	26	26	20	20	22	34	35	46	37	38	[illegible]	44	46	43	38	32	32	37	34	33	29	31	44	42	35	36				35.0
Trenton	Maximum																																...
	Minimum																																...
White Oak	Maximum	39	39	55	54	39	57	67	73	72	69	72	71	72	75	79	69	58	55	66	69	69	45	59	68	73	71	71	79				63.8
	Minimum	34	35	37	29	21	24	44	42	49	51	40	48	54	50	62	40	44	35	41	49	33	33	32	41	56	50	35	46				41.2
Winthrop College	Maximum	39	39	49	48	46	54	66	70	70	68	70	70	70	65	75	66	57	56	50	70	68	46	57	69	69	70	68	77				61.3
	Minimum	33	34	37	29	19	24	42	36	45	62	36	47	49	46	61	39	42	33	39	48	33	32	29	43	41	45	25	48				39.5

Reference letters, (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, February, 1918.



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CLIMATOLOGICAL DATA

UNIVERSITY [illegible]

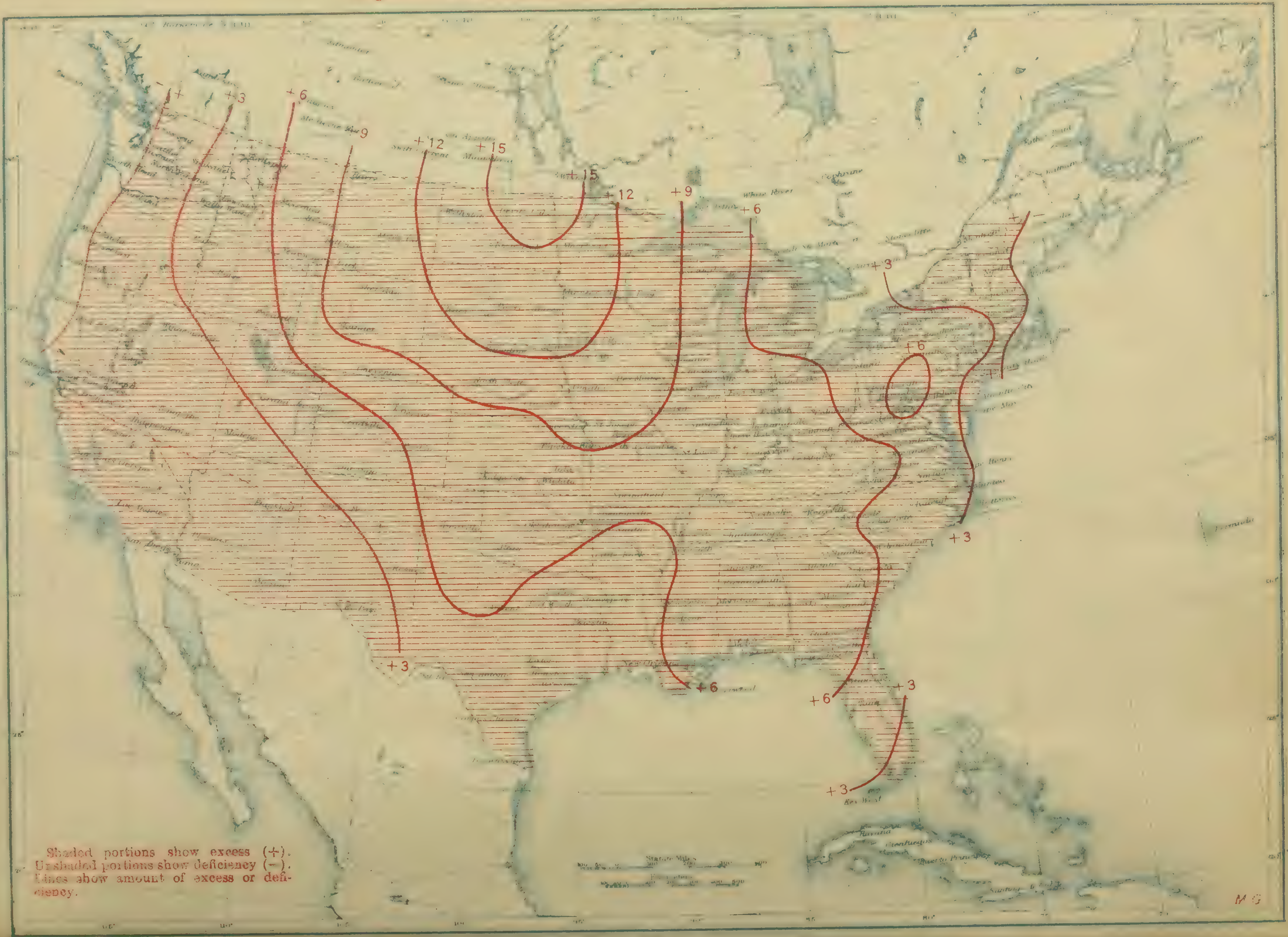
SOUTH CAROLINA SECTION

MARCH 1918.

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
May 4, 1918

Departure of the Mean Temperature from the Normal, March, 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN. Meteorologist.

VOL. XXI. COLUMBIA, S. C., MARCH, 1918. No. 3.

GENERAL SUMMARY.

March, 1918, was high in the group of warm spring months and was exceptionally dry. The last general spring killing frosts occurred on the 11th.

The weather was especially favorable for plowing, which proceeded satisfactorily, notwithstanding a shortage of labor in some sections. Corn planting had extended northward to the central counties by the close of the month, and a few patches were reported as having germinated as far northward as Greenville County. Cotton planting had also begun in portions of the coastal plain and eastern counties. Drilled early oats suffered comparatively little damage by winter killing; the injury chiefly affected late planted and broadcast crops, which either failed to germinate or lacked depth resistance; spring oats had come to good stands by the close of the month. Wheat and rye were in good, promising condition. Small gardening will be carried on extensively this year, and some gardens were unusually early and in fine condition. Truck in the southern counties was good to excellent. Peaches, apples, and other fruits were far advanced, and wild blackberries were in bloom as far northward as the central counties. Woods were green throughout practically the entire State at the end of the month, and the season began about two weeks earlier than usual.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Sections, was 30.07 inches. The highest pressure in the region covered by reports was 30.64 inches at Columbia, on the 11th; lowest pressure, 29.62 inches at Charlotte, N. C., on the 7th, and in the Section proper, 29.65 inches at Greenville on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 41 stations, was 59.7°, or 4.9° above the established normal. The highest temperature was 89° at Darlington, Darlington County, on the 14th. The warmest periods were between the 1st and 6th and on the 14th. The lowest temperature was 29° at Heath Spring, Lancaster County, and Santuck, Union County, on the 11th. The coldest periods of the month were between the 10th and the 12th and on the 30th and 31st

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 78%; 8 p.m., 62%. The highest percentages occurred in the southern coast district, and the lowest, over the north-central counties.

PRECIPITATION.

The average for the Section, 53 stations reporting, was 1.83 inches, or 2.04 inches below the established normal. The precipitation was fairly well distributed and was confined principally to two periods, becoming generally scattered after the 21st; the monthly amounts were uniformly below normal and were less than 2 inches throughout practically the entire coastal plain, ranging downward to less than 1 inch in portions of Dorchester, Berkeley, Florence, Marion, and Horry Counties. The greatest local monthly amount was 2.99 inches at Gaston Shoals, Cherokee County; least amount, 0.69 inch at Effingham, Florence County. The greatest 24-hour amount at any station was 1.25 inches at Georgetown, Georgetown County, on the 19th. The average number of rainy days was 25% below normal.

No snow was reported at any station during the month.

WIND.

The prevailing wind was from the southwest. The average hourly velocity, determined from 8 anemometer records, was 9.6 miles. The highest average velocity in the region covered by reports was 12.6 miles per hour at Savannah, Ga., and in the Section proper, 11.7 miles per hour at Charleston; the lowest average velocity was 6.3 miles per hour at Augusta, Ga., and in the Section proper, 8.2 miles per hour at Columbia. The highest velocity for any 5-minute period was 44 miles per hour from the southwest at Charlotte, N. C., on the 14th, and in the Section proper, 38 miles per hour from the west at Greenville on the same date.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 234.8 hours, or 63% of the possible amount. The average number of clear days was 16; partly cloudy, 8, and cloudy, 7, as against normals of 14, 8, and 9 days, respectively.

RIVER CONDITONS.

The Santee River maintained a fair boating stage throughout the month; otherwise, all the remaining rivers of the Section continued relatively low, incident to comparatively dry weather.

MISCELLANEOUS PHENOMENA (dates).

Auroras.—Columbia and Greenville, 7.

Hail.—Oaks, 7; Society Hill, 23; Walhalla, 23.

Halos.—(*Lunar*) Columbia, 18; Greenville, 18; Landrum, 18; Santuck, 19, 20. (*Solar*) Columbia, 15, 30; Greenville, 18, 27, 30; Santuck, 18, 30; Walhalla, 18.

Frost.—The last spring killing frosts or freezing temperatures occurred as follows: February 5, 2 stations; 6th, 9; 7th, 1; 23d, 1; 24th, 1; 25th, 1; 27th, 2; March 11, 15; 12th, 2; 31st, 7.

ERRATA JANUARY, 1918.

Ferguson Mean temperature, page 4, should be 38.4; mean maximum temperature, page 6, should be 50.0.

Landrum Total precipitation, pages 4 and 5, should be 6.26.

Liberty Number of days with 0.01 inch or more, page 4, should be 13.

Little Mountain Maximum temperature, January 28, page 6, should be 65; mean maximum temperature, page 6, should be 48.6.

Walterboro Maximum temperature, January 12, page 6, should be 54; mean maximum temperature, page 6, should be 57.4; mean temperature, page 4, should be 43.8.

MISCELLANEOUS DATA FOR MARCH, 1918.

Stations	Barometer, sea level.	Temperature, degrees Fahr. Mean.	Highest.	Lowest.	Precipitation, inches. Total.	Greatest 24 hours	Wind. Average hourly velocity, miles.	Prevailing direction.	Mean relative humidity. 8 a. m.	8 p. m.	Percentage of possible sunshine.
Asheville, N. C.	30.08	52.7	77	25	2.25	0.92	9.5	nw.	78	56	46
Augusta, Ga.	30.06	62.0	85	38	1.70	1.24	6.3	nw.	83	64	61
Charleston, S. C.	30.06	62.0	82	41	1.65	1.04	11.7	sw.	78	76	74
Charlotte, N. C.	30.08	55.8	82	32	2.33	0.80	11.6	ne.	74	55	61
Columbia, S. C.	30.07	60.6	85	35	1.54	1.01	8.2	ne.	73	63	66
Greenville, S. C.	30.06	56.6	80	32	2.56	0.79	9.7	ne.	72	58	71
Savannah, Ga.	30.06	63.8	87	43	3.49	1.76	12.6	w.	84	74	59
Wilmington, N. C.	30.07	57.5	83	32	0.78	0.27	9.2	ne.	80	53	65
Means and extremes	30.07	58.9	87	25	2.04	1.76	9.6	ne.	78	62	63

Climatological Data for March, 1918.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip'n (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	R. B. Vance.
Beaufort	Beaufort	21	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Miss Lillian H. Rice.
Blackville	Barnwell	296	29	63.0	+4.9	85	14	37	12	43	1.54	−2.15	0.73	0	6	21	4	6	...	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	17	59.4	+1.2	87	1	30	31	49	2.07	−2.12	1.02	0	6	21	5	5	e.	B. O. Evans.
Centenary	Marion	43	3	61.0	...	88	41	31	31	47	0.89	...	0.68	0	3	13	12	6	sw.	D. L. Carmichael.
Charleston	Charleston	48	47	62.0	+4.8	82	6	41	11	26	1.65	−2.07	1.04	0	5	14	9	8	sw.	U. S. Weather Bureau.
Cheraw ††	Chesterfield	144	28	...	...	^{m}87	14	^{n}39	30	...	1.61	−2.11	0.51	0	6	...	...	...	...	J. H. Powe.
Conway	Horry	25	32	64.4	+7.6	88	14	33	11	44	0.85	−2.85	0.53	0	5	...	...	...	...	Paul Quattlebaum.
Darlington	Darlington	175	23	59.0	+2.7	89	14	31	11	44	0.72	−2.59	0.42	0	5	25	0	6	...	D. C. McCall.
Edisto ‡‡	Bamberg	143	30	...	...	...	...	...	...	...	1.61	−2.45	0.51	0	7	...	...	...	...	Nathan Jenkins.
Effingham	Florence	106	25	...	...	...	...	...	...	...	0.69	−3.38	0.36	0	4	...	...	...	...	H. B. McCall.
Ferguson	Orangeburg	63	32	60.0	+3.7	86	† 1	32	31	44	1.36	−2.03	0.47	0	5	14	8	9	ne.	Henry C. Savage.
Florence 1	Florence	136	29	61.6	+5.8	88	14	31	11	48	2.20	−0.75	0.61	0	6	24	3	4	sw.	H. K. Gilbert.
Florence 2	do	136	3	...	...	...	...	...	...	...	1.37	−1.58	1.02	0	3	23	6	2	w.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	23	62.0	+4.1	86	† 1	35	†11	39	2.75	−0.70	1.25	0	5	19	9	3	e.	A. P. Hazard.
Kingstree	Williamsburg	54	29	59.4	+2.1	86	† 1	34	11	42	1.59	−1.86	0.43	0	6	18	3	10	se.	W. H. Matthews.
Oaks	Georgetown	...	3	^{a}61.4	...	^{a}85	† 1	^{a}32	31	^{a}49	1.02	...	0.52	0	5	24	1	6	e.	O. M. Mitchell.
Orangeburg	Orangeburg	264	2	59.2	...	87	1	32	†11	45	1.40	...	0.40	0	6	11	10	10	ne.	U. S. Fisheries Station.
Pinopolis **	Berkeley	54	68	58.0	+2.2	80	14	39	31	...	1.11	−2.51	0.65	0	4	20	5	6	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	4	...	...	...	...	...	...	...	1.53	...	0.51	0	5	...	...	...	...	William B. Wolfe.
St. George	Dorchester	109	29	62.8	+4.9	87	1	39	†11	39	1.01	−2.52	0.39	0	7	21	4	6	sw.	R. S. Weeks.
St. Matthews	Calhoun	62	22	60.6	+4.5	87	1	34	31	44	1.58	−1.94	0.90	0	5	15	11	5	s.	J. S. Wannamaker.
Society Hill	Darlington	192	26	58.4	+3.2	87	† 1	31	11	43	2.16	−1.20	1.12	0	10	16	7	8	sw.	A. H. Rogers.
Summerville	Dorchester	75	20	62.4	+3.7	85	† 1	36	30	41	0.97	−2.46	0.39	0	4	6	23	2	e.	Miss E. H. Gadsden.
Walterboro	Colleton	69	15	63.2	+2.4	88	1	35	11	45	1.57	−2.29	0.69	0	4	21	3	7	...	J. N. Frank.
Yemassee	Hampton	24	22	62.6	+4.4	87	1	36	12	43	1.74	−1.83	0.93	0	5	21	2	8	ne.	J. G. Hutson.
Division means and extremes				61.0	+3.8	89	14	30	31	49	1.46	−2.15	1.25	0	5	18	7	6	sw.	
Western Portion.																				
Aiken	Aiken	527	57	62.9	+7.8	86	† 1	35	11	40	1.57	−2.44	1.21	0	3	23	2	6	nw.	Frank B. McCoy
Anderson	Anderson	764	22	58.4	+4.0	86	1	32	11	38	2.22	−2.81	0.76	0	8	22	0	9	e.	H. H. Russell.
Batesburg	Lexington	656	29	59.9	+1.8	84	† 2	33	11	37	2.24	−2.33	1.20	0	6	16	10	5	ne.	E. J. Hite.
Blairs	Fairfield	293	15	...	...	...	...	...	...	...	2.15	−1.42	0.93	0	5	...	...	...	...	J. N. Owens.
Calhoun Falls	Abbeville	508	25	58.2	...	85	14	34	†11	39	2.08	−2.74	0.60	0	7	13	4	14	se.	L. M. Parker.
Camden	Kershaw	222	58	59.2	+4.7	84	14	35	25	43	1.81	−1.98	1.12	0	5	19	7	5	ne.	W. C. Brown.
Catawba	York	562	14	...	...	...	...	...	...	...	2.79	−1.34	1.10	0	7	...	...	...	...	James C. Faris.
Chappells	Newberry	402	14	...	...	...	...	...	...	...	1.36	−2.20	0.50	0	6	...	...	...	...	J. J. Murrah.
Clemson College	Oconee	850	26	58.2	+5.6	79	† 1	32	11	38	2.78	−2.06	0.92	0	7	22	4	5	w.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	31	60.6	+6.6	85	1	35	11	31	1.54	−2.16	1.01	0	5	14	10	7	ne.	U. S. Weather Bureau
Edgefield	Edgefield	...	4	...	...	...	...	...	...	...	1.16	...	0.48	0	7	...	...	...	...	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	5	...	...	...	...	...	...	...	2.59	−1.72	0.74	0	10	...	...	...	...	Harry A. Parshall.
Greenville	Greenville	1039	25	56.6	+6.0	80	1	32	11	28	2.56	−2.94	0.79	0	8	7	15	9	ne.	U. S. Weather Bureau.
Greenwood	Greenwood	671	29	56.2	+3.0	83	14	30	11	49	2.22	−1.85	1.02	0	5	18	1	12	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	17	57.3	+3.2	83	14	29	11	46	2.18	−1.49	0.82	0	7	4	23	4	w.	J. Marvin Bowers.
Kershaw	Kershaw	560	2	58.1	...	88	† 3	30	11	46	2.27	...	0.81	0	9	23	0	8	w.	John W. Hamel.
Landrum	Spartanburg	1063	3	57.0	...	85	1	33	†12	41	2.19	...	0.43	0	10	18	8	5	...	R. Hartwell Wilds, D.D.S
Liberty	Pickens	900	19	57.6	+4.5	82	1	32	11	36	2.34	−3.07	0.75	0	10	13	11	7	sw.	John T. Boggs.
Little Mountain	Newberry	711	25	58.9	+2.7	81	1	32	11	38	2.02	−1.85	1.05	0	5	19	0	12	w.	J. M. Sease, M. D.
Meriwether	McCormick	450	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	William S. Middleton
Monetta	Saluda	400	11	61.3	+5.5	85	† 1	32	11	43	2.56	−1.31	1.20	0	6	9	19	3	ne.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	James L. Brown.
Newberry	Newberry	502	15	59.2	+4.0	86	14	30	11	43	2.31	−1.54	1.07	0	6	7	15	9	e.	Warren G. Peterson
Pelzer	Anderson	850	14	...	...	...	...	...	...	...	2.06	−2.74	0.72	0	5	...	...	...	...	Joshua Y. Jones.
Saluda	Saluda	536	17	59.6	+2.4	85	14	30	11	45	1.60	−2.46	1.15	0	4	21	6	4	w.	Mrs. F. V. J. Maxwell
Santuck	Union	512	25	57.3	+3.7	88	14	29	11	41	2.34	−2.12	1.04	0	7	14	12	5	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	35	55.8	+4.5	85	1	30	11	41	2.80	−2.15	1.02	0	8	...	...	...	...	F. P. Robinson.
Trenton	Edgefield	620	29	^{1}59.4	+2.8	^{b}84	†14	^{1}32	†10	^{1}50	1.16	−3.27	1.00	0	3	...	...	...	sw.	Mrs. S. E. Long.
Walhalla	Oconee	1061	15	...	...	...	...	...	...	...	2.00	−1.02	0.76	0	8	11	12	8	se.	H. W. Brandt.
White Oak	Fairfield	548	2	59.2	+5.7	84	14	32	11	45	2.82	−1.27	1.01	0	6	20	4	7	ne.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	19	58.0	+4.1	84	1	30	11	39	1.90	−2.05	1.10	0	3	8	16	7	s.	W. P. Goodman.
Division means and extremes				58.5	+4.2	88	† 3	29	11	50	2.14	−2.23	1.24	0	7	15	9	7	ne.	
Section means and extremes				59.7	+4.9	89	14	29	11	50	1.83	−2.04	1.25	0	6	16	8	7	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing: for example, ^{b} represents two days missing, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill
T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for March, 1918.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
llendale ‡	Savannah																																
eaufort	Coast																																
lackville ||	Edisto					.36												.10	.73	.10	.15									.10			1.54
owman	do				.06	1.02												.47	.12	.30		.10		T.									2.07
entenary	Pee Dee					.15												.68		.06	T.				T.								0.89
harleston ***	Coast				.16			T.	T.								T.	1.04		.41	.01				.03					T.			1.65
heraw ‡	Pee Dee					.32												.31	.30		.12	T.			.51					.05			1.61
onway ||	Waccamaw					.10												.30	.23		.11	T.			.11								0.85
arlington ||	Pee Dee					T.													.42		.10	.10			.05	.05				T.	T.		0.72
disto ||	Edisto					.51												.28	.32	.07	.17	.18								.08			1.61
fingham ||	Lynches																	.09	.36		.17	.07											0.69
erguson ||	Santee					.30												.40			.19	.28				.19							1.36
lorence 1 ||	Pee Dee					.14												.41	.46	.50	.61									.08			2.20
lorence 2	do																	1.02		.10				.25					T.				1.37
eorgetown	Coast					.25		T.										.45		1.25	.55				.25								2.75
ingstree ‡	Black					.36												.25	.43		.18	.10			.27								1.59
aks	do				T.	.21		T.										.52		.23	.03				.03								1.02
rangeburg	Edisto					.30	T.											.40	.40	.10	.10	.10	T.							T.			1.40
inopolis	Cooper				.27											.65		.20	.02														1.14
imini ||	Santee					.54												.45	.33	.08		.13											1.53
t. George ||	Edisto					.39												.30	.05	.07	.11	.05								.04			1.01
t. Matthews ||	Santee					.35												.90	.20	.05		.08											1.58
ociety Hill ||	do					.21												.22	.39	.01	.07	.02	.02		1.12	.06				.04			2.16
ummerville	Ashley				.28													.39		.28	.02	T.								T.		T.	0.97
alterboro	Ashepoo				.69													.17	.68	.03													1.57
emassee ||	do					.52													.17	T.	.93	.05				T.				.07			1.74
Western Portion.																																	
iken	Edisto																	1.21		.21										.15			1.57
nderson	Savannah				.76			.01			.03							.36		.04	.74				.22				.06				2.22
atesburg ||	Edisto					.21					T.							1.20	.15	.11		.21			.36					T.			2.24
lairs ||	Broad					.46												.84	.09		.04				.72								2.15
alhoun Falls ||	Savannah					.60			T.									.48	.22	.15	.28	.06			.29								2.08
amden ||	Wateree					.45												.55	.57		.06	.18											1.81
atawba ||	Catawba					.86												.50	.60		.20	.30	.05		.20					.08			2.79
happells ||	Saluda					.43												.12		.06		.07			.50					.18			1.36
lemson College	Savannah				.75						.10							.30		.03	.92				.54				.14				2.78
olumbia ***	Congaree				.16												.05	.96		T.	.30			T.	T.								1.54
dgefield ||	Savannah										.10							.48	.20	.05	.10			T.	.18					.05			1.16
aston Shoals ||	Broad					.70		.15			.18							.46	.06	T.	.05	.51			.71	.03				.14			2.99
reenville ***	Saluda				.79			.04		T.	.11			T.	T.			.33		T.	.52	T.		.16	.28				.33			T.	2.56
reenwood ||	do					.55												1.02	.12	.08					.45								2.22
eath Spring	Wateree				.78													.82		.02	.24	.03				.19			.10				2.18
ershaw	Lynches					.69												.46	.35		.16	.12	.05		.36	.03				.05			2.27
andrum	Broad				.43			.21		.02	.22			.02				.42			.40			.18	.20				.09				2.19
iberty	Savannah				.75			.20		T.	.02			T.				.20		.02	.70			.25	.15	.02			.03				2.34
ttle Mountain	Saluda				.45													1.05			.26				.16					.10			2.02
eriwether	Savannah																																
onetta	Edisto				.27													1.20		.13	.13			.16	.67								2.56
ountain Rest	Savannah																																
ewberry	Saluda				.62			T.										1.07		.05	.29	T.			.20					.08			2.31
elzer ‡	do				.72			T.			T.							.42	.02	T.	T.	.48			.42								2.06
aluda	do					.18											1.15			.12	.15												1.60
antuck	Broad				.70			.10										1.04		.05	.13				.29				.03				2.34
partanburg ||	do					.93	T.	.13			.05							.40	T.			.10			1.02		.02			.15			2.80
renton	Edisto																	1.00			.13			.03						T.			1.16
alhalla	Savannah				.46			.01			.17		T.	T.				.25		T.	.76			.11	.10				.14				2.00
hite Oak	Broad				.73			T.										1.01		.06	.80				.21				.01				2.82
inthrop College	Catawba																	1.10			.50				.30								1.90

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. || Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR MARCH.

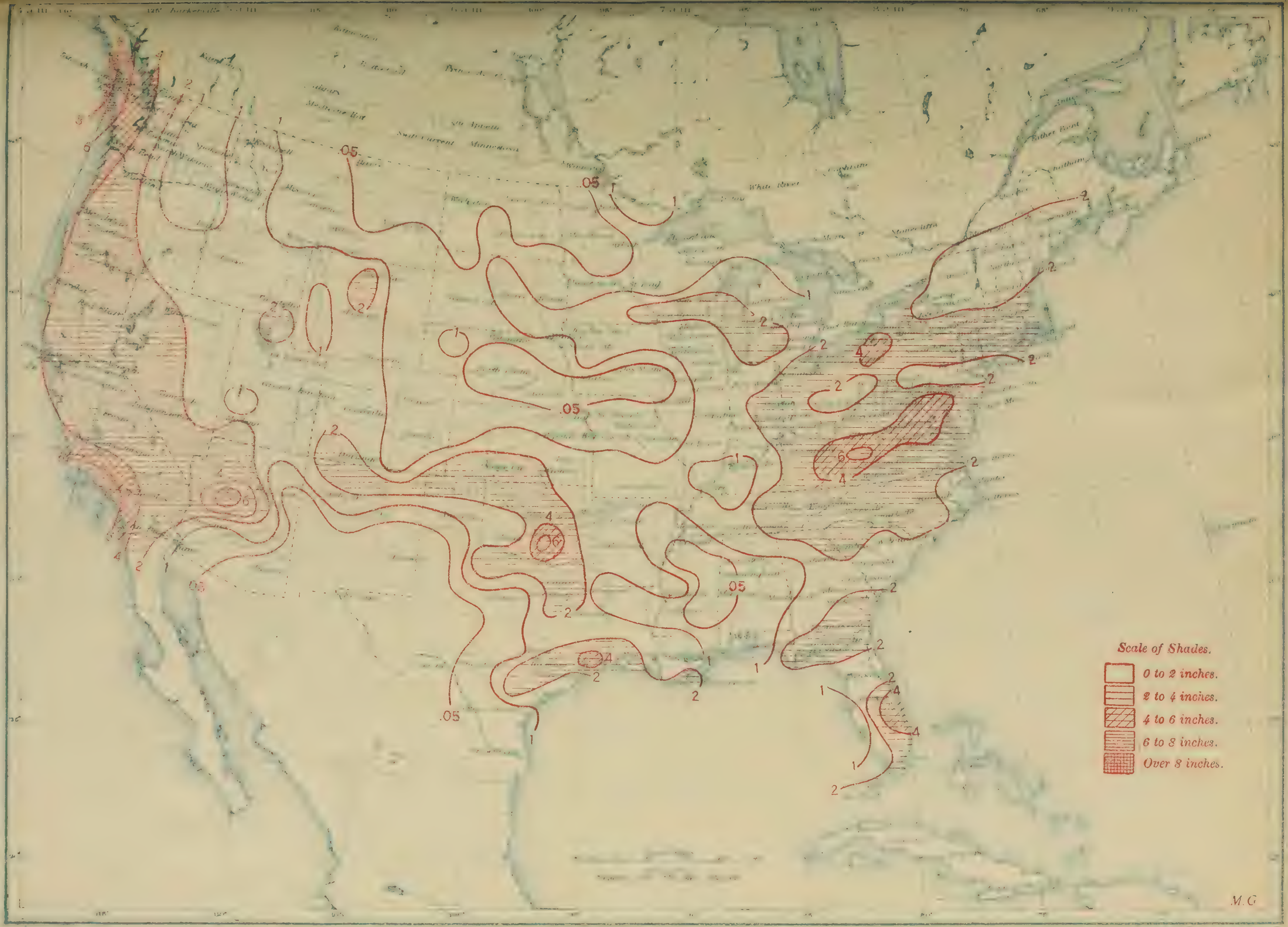
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction	Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.			Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
87	51.4	82	23	1.85	7					1903	60.4	84	26	5.92	10	7	9	15	ne.
88	52.1	80	19	6.71	9				sw.	1904	56.2	87	23	3.42	9	13	9	9	ne.
89	51.6	77	20	3.41	7				w.	1905	57.8	93	28	2.15	6	15	6	10	ne.
90	52.5	85	11	2.96					sw.	1906	51.6	82	18	5.34	10	13	6	12	w.
91	50.0	78	20	7.88					ne.	1907	62.0	99	20	1.57	5	15	10	6	sw.
92	52.8	78	23	3.78					nw.	1908	61.4	90	29	4.56	8	15	8	8	sw.
93	53.9	85	18	2.22	9	13	9	9	sw.	1909	54.1	90	27	4.80	11	14	8	9	sw.
94	59.3	90	15	2.08	7	15	11	5	sw.	1910	59.4	93	22	1.38	1	21	6	4	sw.
95	53.5	90	24	5.71	11	12	8	11	sw.	1911	54.9	90	22	2.30	7	17	8	6	w.
96	53.1	93	19	2.12	5	14	10	7	sw.	1912	53.2	88	15	6.79	10	14	5	12	ne.
97	56.4	92	21	4.54	12	7	9	15	sw.	1913	56.9	88	22	7.40	10	13	5	13	w.
98	59.1	92	22	2.99	7	11	9	11	ne.	1914	50.2	91	12	2.59	8	14	9	8	w.
99	55.2	89	12	3.89	9	12	10	9	sw.	1915	46.3	81	22	2.66	7	15	8	8	nw
00	51.6	79	22	4.22	9	12	8	11	sw.	1916	53.7	87	15	2.14	5	19	8	4	sw.
01	53.4	86	10	4.36	8	14	8	9	sw.	1917	55.0	88	11	5.39	11	14	6	11	sw
02	54.0	86	19	4.08	10	14	7	10	sw.	1918	59.7	89	29	1.83	6	16	8	7	sw.
										Period	54.8	99	10	3.87	8	14	8	9	sw

Daily Temperatures for March, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum																																
	Minimum																																
Beaufort	Maximum																																
	Minimum																																
Blackville §	Maximum	86	78	76	68	79	80	82	79	78	76	75	80	80	85	76	66	65	69	72	72	85	83	80	76	79	80	83	80	70	68	78	76.9
	Minimum	62	57	50	47	59	59	63	50	48	63	38	37	40	64	62	44	45	47	49	50	49	50	46	49	47	28	40	51	45	37	37	49.1
Bowman	Maximum	87	85	75	70	79	77	82	70	80	75	65	75	82	86	70	60	57	67	65	67	72	78	82	65	70	75	81	78	75	67	76	73.9
	Minimum	42	43	45	47	47	57	58	50	44	45	35	33	55	56	54	42	46	42	45	54	50	50	51	47	40	35	28	42	40	32	30	45.0
Centenary	Maximum	85	69	72	69	79	83	78	69	80	77	61	76	81	88	79	63	56	67	66	71	70	82	81	70	77	75	73	69	62	67	76	73.5
	Minimum	57	52	42	46	59	60	64	47	43	60	34	34	58	63	59	41	47	48	44	61	58	53	49	50	43	[illegible]	44	47	41	33	31	48.4
Charleston	Maximum	79	63	68	66	77	82	76	64	71	79	53	70	74	75	75	58	63	65	65	70	74	79	81	60	68	67	79	75	63	60	66	69.9
	Minimum	62	52	52	56	60	61	59	53	53	53	41	48	58	61	56	50	54	52	56	58	57	59	57	52	49	50	54	56	49	47	50	51.0
Cheraw §§	Maximum								87						87	66	68	61	63	63	61	72	80	78	52	49	68	67	62	64	67	62	
	Minimum															66	55	48	55	53	60	58	61	50	49	42	42	48	51	41	39	42	
Conway §§	Maximum	86	70	77	69	78	85	79	69	78	77	59	73	81	88	76	63	58	71	66	76	78	82	79	57	70	74	73	71	67	68	75	73.3
	Minimum	53	48	44	45	57	60	63	46	43	63	33	35	52	63	67	40	47	48	45	56	59	59	51	43	45	37	43	46	40	34	34	55.4
Darlington §§	Maximum	80	69	73	71	79	83	79	68	80	75	60	74	83	89	68	65	52	70	64	66	70	86	75	49	71	74	79	68	65	68	76	71.9
	Minimum	49	49	40	45	50	58	62	49	40	50	31	31	46	61	65	39	45	44	44	48	54	54	50	42	43	35	44	50	39	33	32	46.0
Ferguson §§	Maximum	86	80	74	70	78	78	81	72	78	80	53	74	81	86	71	59	58	68	63	64	73	82	80	80	71	70	80	71	65	62	72	72.9
	Minimum	46	53	47	44	52	62	63	50	45	41	36	35	47	60	63	44	45	45	48	53	52	53	50	50	47	36	37	48	44	35	32	47.2
Florence 1 §§	Maximum	80	77	81	80	80	84	78	67	81	75	64	75	85	88	85	84	80	78	64	65	71	86	76	48	71	74	80	68	66	68	78	75.4
	Minimum	42	46	49	50	50	55	61	47	42	48	31	32	37	60	65	62	64	59	49	49	55	55	53	42	42	38	39	47	40	36	34	47.7
Georgetown	Maximum	86	63	75	68	80	86	82	70	78	78	70	71	80	86	75	72	59	67	55	72	74	80	80	64	69	75	72	70	69	66	72	73.5
	Minimum	55	50	47	51	55	60	62	48	49	60	35	58	47	63	66	43	48	50	52	58	57	55	54	47	46	39	44	48	44	37	35	50.4
Kingstree §§	Maximum	86	69	73	70	78	83	80	68	81	76	58	74	81	86	72	60	58	69	65	67	73	82	79	51	63	74	79	70	64	67	75	72.2
	Minimum	47	53	42	43	49	60	61	48	45	49	34	35	37	60	64	42	42	48	49	55	56	54	51	45	45	36	39	47	42	35	35	46.7
Oaks	Maximum	85	73		76	79	85	80	71	81	80	64	79	84	72	79	64	79	70	68	70	75	83	78	68	73	75	78	70	68	70	79	[a]74.5
	Minimum	53	52		42	59	59	54	46	59	53	35	35	55	60	59	42	48	48	47	60	57	52	49	49	46	26	40	44	40	34	32	[a]48.2
Orangeburg	Maximum	87	76	75	70	81	80	82	63	79	77	58	75	82	86	68	59	54	67	61	67	75	83	81	53	72	76	81	73	65	65	77	72.6
	Minimum	37	38	40	45	51	56	61	50	46	50	32	35	44	58	64	43	43	44	50	50	55	53	50	47	46	37	40	45	34	35	32	45.8
St. George §§	Maximum	87	73	75	72	80	78	81	68	81	78	60	76	84	86	70	59	57	70	62	67	72	82	83	57	69	70	82	71	66	67	78	73.0
	Minimum	61	54	53	52	61	60	62	52	50	63	39	42	58	63	68	47	51	49	53	60	59	57	55	50	49	43	45	51	49	29	39	52.7
St. Matthews §§	Maximum	87	72	74	70	81	79	84	67	80	79	60	75	83	86	72	59	55	66	64	68	76	83	78	53	74	78	83	72	64	70	64	72.8
	Minimum	51	53	46	45	50	58	62	50	46	58	35	35	52	61	64	41	43	45	49	50	59	53	56	45	46	40	45	48	43	37	34	61.3
Society Hill §§	Maximum	87	66	72	69	78	83	76	65	78	74	58	73	81	87	65	61	51	68	63	65	72	85	85	47	69	72	76	64	63	67	74	70.8
	Minimum	54	49	41	42	49	60	61	49	41	52	31	36	45	61	64	38	41	44	43	48	51	52	50	41	43	37	47	49	38	34	33	46.0
Summerville	Maximum	85	72	75	72	78	81	79	74	79	79	65	74	80	85	82	62	61	68	64	70	73	81	82	66	69	74	80	76	66	64	73	73.8
	Minimum	57	51	48	49	61	59	62	51	46	63	37	39	53	60	62	46	53	50	52	62	57	55	54	50	48	40	47	52	47	36	37	51.1
Walterboro	Maximum	88	74	75	73	79	80	82	70	76	80	68	75	83	87	78	62	63	70	62	63	71	84	87	75	78	78	83	78	78	68	76	[illegible]
	Minimum	63	52	48	49	60	58	65	52	48	65	35	37	56	52	50	52	51	49	53	53	48	52	53	52	52	48	43	47	28	43	36	50.8
Yemassee §§	Maximum	87	74	75	70	77	79	81	70	80	81	60	76	83	86	72	50	66	71	65	69	75	84	84	65	72	75	82	80	67	69	72	74.4
	Minimum	62	56	50	49	51	58	60	55	47	50	38	36	54	53	61	47	47	52	50	54	56	55	56	55	49	40	47	51	50	37	52	[illegible]
Western Portion.																																	
Aiken	Maximum	86	83	74	72	86	81	81	76	75	74	63	75	80	86	83	61	56	68	66	65	74	82	83	80	71	74	79	77	75	66	73	74.8
	Minimum	62	56	49	49	59	59	63	49	50	62	35	40	55	65	58	43	41	44	49	58	54	53	58	50	46	42	50	52	46	40	42	51.0
Anderson	Maximum	86	71	74	61	86	78	76	68	60	70	61	69	74	84	70	60	54	72	63	59	78	80	73	56	73	75	77	75	63	68	76	70.5
	Minimum	53	49	46	44	47	55	55	43	46	50	32	44	55	61	45	37	40	35	47	52	52	62	53	44	44	42	43	48	42	40	38	46.3
Batesburg §§	Maximum	83	84	72	62	77	79	78	68	74	70	70	72	76	84	72	59	50	65	66	64	71	80	81	80	69	72	77	72	69	67	73	71.8
	Minimum	53	52	45	47	50	59	60	45	47	49	33	39	44	59	58	40	43	45	47	50	55	56	58	45	43	44	46	51	42	43	40	48.0
Calhoun Falls	Maximum	84	74	74	52	79	79	75	67	70	72	62	72	76	85	[illegible]	66	53	68	61	64	78	84	79	52	73	76	78	79	65	68	75	70.9
	Minimum	51	50	43	44	46	52	57	48	46	50	34	34	45	60	50	40	40	39	40	49	54	51	52	49	44	41	42	45	45	40	36	45.6
Camden §§	Maximum	83	73	70	68	76	78	75	66	74	70	59	60	72	84	66	59	52	65	65	62	59	75	70	72	69	69	74	67	61	64	69	68.6
	Minimum	65	54	45	58	57	63	63	51	50	55	37	42	40	41	42	42	45	45	46	46	55	55	56	36	35	45	45	53	44	41	39	49.7
Clemson College	Maximum	79	78	69	65	75	74	73	70	62	65	62	64	70	79	76	59	60	65	65	63	73	77	76	65	66	69	72	69	67	65	65	68.9
	Minimum	48	54	40	47	50	55	63	46	49	42	32	38	56	62	51	38	42	35	47	55	55	53	52	48	48	44	42	52	49	45	35	47.5
Columbia	Maximum	85	69	69	63	78	79	77	65	76	69	57	72	79	85	71	58	53	66	66	66	72	82	79	59	70	73	78	70	62	65	72	70.6
	Minimum	63	53	47	48	61	60	62	50	50	36	35	41	59	66	51	42	45	44	51	57	57	57	58	45	46	48	47	52	44	43	42	50.6
Greenville	Maximum	80	65	68	54	75	74	68	61	59	62	57	61	71	80	68	55	53	71	64	63	72	79	70	51	66	69	73	69	59	64	68	66.1
	Minimum	56	48	50	44	47	57	54	43	50	43	32	44	56	63	45	36	40	44	50	51	53	55	51	42	45	41	47	48	41	41	42	47.1
Greenwood §§	Maximum	82	70	73	54	76	77	73	65	69	67	58	70	73	83	63	60	51	68	63	60	74	80	77	50	69	70	75	75	63	65	72	68.5
	Minimum	33	51	45	43	44	52	56	45	45	47	30	31	41	59	50	38	28	40	40	48	53	53	54	46	44	42	43	49	42	38	37	44.0
Heath Spring	Maximum	68	70	75	62	67	77	75	69	74	66	63	70	77	83	77	70	63	65	63	60	66	82	72	65	64	60	74	67	61	66	67	69.0
	Minimum	37	46	43	42	55	60	63	44	43	63	29	37	37	61	54	39	41	41	46	54	51	55	53	41	42	40	40	49	36	35	40	45.6
Kershaw §§	Maximum	87	86	88	69	74	82	74	58	78	70	59	72	75	88	71	63	57	57	68	67	71	78	74	76	71	71	75	74	51	67	71	71.0
	Minimum	52	42	42	44	44	57	62	46	44	47	30	34	42	59	58	37	38	42	42	39	52	52	51	42	40	39	46	49	38	33	47	45.2
Landrum	Maximum	85	78	72	65	78	78	73	61	59	64	56	62	74	83	78	59	55	69	67	62	73	82	74	56	65	70	74	71	60	67	70	69.1
	Minimum	52	46	50	39	46	50	57	38	43	52	36	33	55	63	43	36	44	41	41	51	41	66	50	43	42	41	41	47	37	35	33	41.9
Liberty	Maximum	82	76	72	63	77	77	71	66	59	62	59	62	73	81	74	66	53	63	67	63	75	80	73	59	71	72	72	63	65	69	71	68.8
	Minimum	50	50	42	46	46	58	59	45	48	51	32	38	56	67	50	28	42	34	46	54	54	55	54	46	44	44	52	43	41	40	35	46.5
Little Mountain	Maximum	84	76	70	65	78	79	79	68	70	68	58	68	77	70	7	65	55	67	68	63	74	79	72	69	69	70	75	69	62	69	72	70.3
	Minimum	56	59	45	45	48	60	60	45	45	58	32	39	57	48	40	39	40	44	48	55	55	55	55	43	43	46	46	50	41	42	44	47.5
Meriwether	Maximum																																
	Minimum																																
Monetta	Maximum	85	81	73	68	78	79	78	69	74	72	60	74	79	85	80	66	56	65	66	65	75	82	84	68	68	79	78	73	67	67	75	[illegible]
	Minimum	61	52	46	49	59	59	62	47	49	59	32	36	56	64	57	42	44	43	49	57	55	55	58	45	47	41	47	50	45	39	39	49.8
Mountain Rest	Maximum																																
	Minimum																																
Newberry	Maximum	81	72	70	60	79	79	77	64	70	69	58	73	76	86	79	60	56	68	65	64	75	82	78	67	70	73	78	72	63	66	74	71.2
	Minimum	55	52	43	45	51	56	62	45	48	55	30	36	58	64	54	37	42	42	28	56	51	52	52	45	44	38	42	53	41	36	33	47.1
Saluda	Maximum	84	75	73	66	80	76	76	68	72	72	60	74	77	85	80	60	55	68	68	65	77	83	82	72	70	74	79	74	64	68	74	72.6
	Minimum	53	53	40	43	53	59	63	45	47	54	30	33	57	65	55	39	42	39	47	58	55	40	52	45	45	34	39	48	43	34	31	46.5
Santuck	Maximum	83	72	69	66	76	77	70	63	65	70	60	70	73	88	78	79	55	66	65	64	74	81	71	63	68	71	75	68	61	66	72	69.5
	Minimum	55	47	40	40	49	57	59	43	44	53	29	37	52	63	51	35	41	38	42	48	42	53	52	43	44	40	42	50	39	35	31	45.1
Spartanburg §§	Maximum	85	68	71	54	78	78	69	65	59	60	59	65	72	83	61	59	55	69	69	59	76	83	73	47	67	71	76	68	62	68	73	67.8
	Minimum	44	47	45	42	42	53	55	41	42	50	30	33	46	58	47	35	35	38	44	41	50	52	54	42	43	45	42	44	40	37	35	43.7
Trenton	Maximum	83						79	67	72	70		70	82	81	79	60	67		65	66	74	81	84	60	72		78	74	69	66	71	[illegible]
	Minimum	55						55	45	49	32		32	46	63	41	40	40		46					42	46		47	52	44	39	39	[illegible]46.1
White Oak	Maximum	82	75	70	65	76	77	72	64	71	69	57	71	76	84	80	59	51	67	66	63	73	81	79	67	69	70	75	69	62	60	73	[illegible]
	Minimum	59	47	44	44	48	59	63	45	45	54	32	35	57	65	54	37	42	41	47	54	52	53	53	43	43	43	45	50	39	47	41	47.8
Winthrop College	Maximum	84	79	69	62	73	78	72	66	65	65	56	69	72	82	78	61	65	68	62	62	74	81	74	64	67	70	76	66	61	67	71	69.6
	Minimum	57	46	44	[illegible]	52	56	60	40	46	51	30	37	58	64	51	35	40	39	41	52	52	53	56	41	42	40	46	49	38	36	41	46.4

Reference letters, (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
M.G

UNIVERSITY OF ILLINOIS

51.05
NSC

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

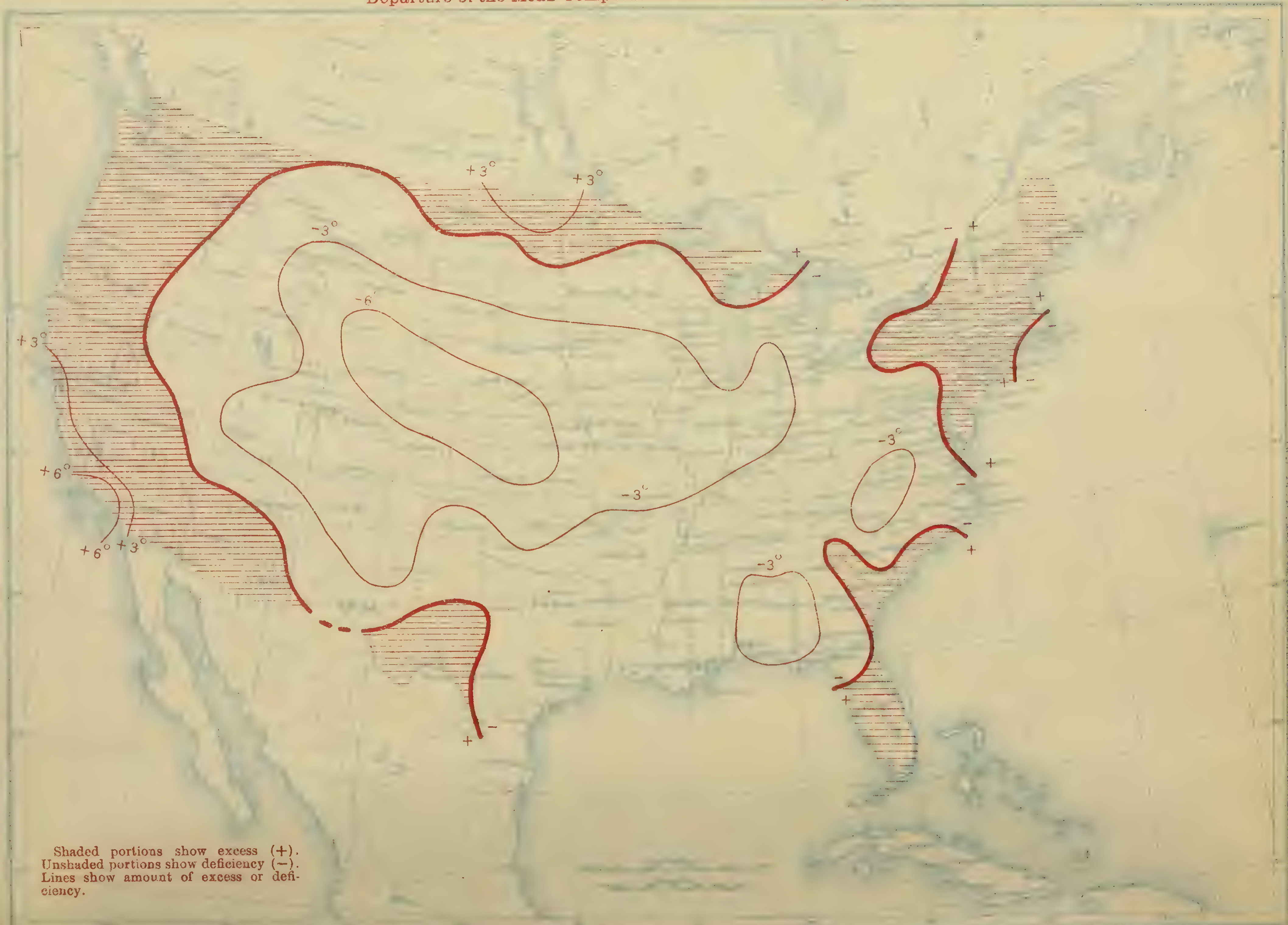
SOUTH CAROLINA SECTION

APRIL, 1918.

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
June 4, 1918

Departure of the Mean Temperature from the Normal, April, 1918



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

Vol. XXI. Columbia, S. C., April, 1918. No. 4.

GENERAL SUMMARY.

The current month exceeded all previous April precipitation averages by 0.27 inch, and the excesses over the normal were especially marked in the eastern and portions of the central counties. Thermal conditions, as a whole, ranged somewhat below the seasonal average, due to abnormal and extended cold between the 6th and 11th.

The growing season opened about two weeks in advance of normal, but the succeeding low temperatures, with much cloudy and rainy weather, were attended by a gradual loss to near the seasonal average at the close of the month. However, the winter and spring grain crops, field truck, gardens, and pastures maintained good to excellent condition, while cotton developed irregular and unsatisfactory stands, which necessitated much replanting. Corn was in generally better condition than cotton throughout the month, and cultivation was well advanced over the southern counties. Wheat, oats, and rye were heading well at the close of the month, and tobacco transplanting was finished, with the crop in good condition generally. Native strawberries of fine quality were on the market this season earlier than usual, and white potatoes and tree and bush fruits were promising. The month closed with plowing, seeding, and cultivation proceeding wherever soil conditions permitted.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 29.98 inches. The highest pressure in the region covered by reports was 30.40 inches at Charlotte, N. C., on the 6th, and in the Section proper, 30.37 inches at Greenville on the same date; lowest pressure, 29.58 inches at Wilmington, N. C., on the 9th, and in the Section proper, 29.70 inches at Charleston on the 26th.

TEMPERATURE.

The monthly mean for the Section, determined from reports from 41 stations, was 61.0°, or 1.3° below the established normal. The highest temperature was 92° at Oaks, Georgetown County, on the 3d. The warmest periods of the month were from the 2d to the 4th and between the 17th and 22d. The lowest temperature was 32° at Darlington, Darlington County, and Santuck, Union County, on the 6th and at Saluda, Saluda County, on the 13th. The coolest period of the month extended from the 6th to the 14th.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a. m., 80%; 8 p. m., 71%. The greatest percentages occurred along the southern coast, and the lowest, over the northern counties.

PRECIPITATION.

The average for the Section, 53 stations reporting, was 5.82 inches, or 2.94 inches above the established normal and 0.27 inches above the highest April average in 32 years. On the whole, the total amounts were very badly distributed, ranging from somewhat below normal in Charleston, Oconee, and Pickens Counties, to over 7 inches along the middle Piedmont and to over 15 inches in upper Georgetown County. There were four distinct rainy periods, and but two short dry periods. The greatest local monthly amount was 15.11 inches at Oaks, Georgetown County; least monthly amount, 2.49 inches at Charleston. The greatest twenty four hour amount at any station was 5.28 inches at Centenary, Marion County, on the 20th. The number of rainy days averaged 57% above normal.

Snow flurries occurred at Landrum and Greenville on the 9th, and sleet at Newberry on the 11th.

WIND.

The prevailing wind was from the southwest. The average hourly velocity, determined from 8 anemometer records, was 9.2 miles. The highest average velocity in the region covered by reports was 11.9 miles per hour at Charleston and at Savannah, Ga.; the lowest average velocity was 6.2 miles per hour at Augusta, Ga., and in the Section proper, 7.6 miles per hour at Columbia. The highest velocity for any 5-minute period was 60 miles per hour from the northeast at Wilmington, N. C., on the 26th, and in the Section proper, 47 miles per hour from the east at Charleston on the 8th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 226.4 hours, or 53% of the possible amount. The average number of clear days was 11; partly cloudy, 9, and cloudy, 10, as against normals of 15, 8, and 7 days, respectively.

RIVER CONDITONS.

Heavy to excessive rains in the upper drainage areas of the Pee Dee and Santee River districts up to the morning of April 20 were followed by moderate floods in the lower rivers, which had not passed to sea by the close of the month. The unavoidable losses in the Santee System approximated $3,716, and the value of movable property saved by timely warnings was estimated at $68,527. In the Pee Dee System the unavoidable losses approximated $42,000, and the value of movable property saved has been estimated at $39,000.

MISCELLANEOUS PHENOMENA. (dates).

Halos.—Lunar: Greenville, 17, 21; Liberty, 14. *Solar:* Columbia, 2; Gaston Shoals, 14; Greenville, 6, 8, 9; Liberty, 14.

Hail.—Anderson, Bowman, Calhoun Falls, Newberry, and Walhalla, 3; Batesburg, Centenary, and Conway, 4; Liberty, 14; Monetta, 17; Centenary, 18; Bowman, 19.

ERRATA–FEBRUARY, 1918.

Greenwood—Maximum temperature, page 12, should be 76 on the 10th.
Kingstree–Number of days with 0.01 inch or more, page 12, should be 4.

MISCELLANEOUS DATA FOR APRIL, 1918.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest	Lowest	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction	8 a. m.	8 p. m.	
Asheville, N. C.	30.00	52.5	79	28	2.74	0.81	10.1	se.	80	66	39
Augusta, Ga.	29.97	62.7	86	33	4.80	1.37	6.2	se.	82	72	50
Charleston, S. C.	29.98	63.5	83	43	2.49	1.20	11.9	sw.	79	79	67
Charlotte, N. C.	30.00	54.7	83	37	5.47	1.84	6.4	ne	82	65	46
Columbia, S. C.	29.99	61.6	84	37	7.23	3.94	7.6	ne.	83	65	51
Greenville, S. C.	29.96	56.6	82	36	4.84	1.99	10.9	ne.	79	69	57
Savannah, Ga.	29.98	65.0	88	38	4.49	2.11	11.9	w.	82	74	54
Wilmington, N. C.	29.99	61.2	83	36	6.24	2.35	8.8	sw.	76	76	58
Means and extremes	29.98	59.7	88	28	4.79	3.94	9.2	ne.	80	7	53

Climatological Data for April, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipitation (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	29	63.2	−1.1	88	4	39	†12	31	4.71	+2.13	2.00	0	8	9	16	5	w.	R. B. Vance.*
Beaufort	Beaufort	21	31	...	......	.....	.....	.....	.....	.....	.....	......	.....	.....	...	..	...	...	......	Miss Lillian H. Rice.
Blackville	Barnwell	296	29	62.8	−1.1	87	3	38	12	36	7.34	+4.04	2.20	0	9	18	2	10	......	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	17	62.1	−1.4	87	3	37	13	40	4.76	+1.28	1.64	0	12	13	9	8	sw.	B. O. Evans.
Centenary	Marion	43	3	62.4	.....	90	3	34	6	40	12.58	....	5.28	0	9	5	10	15	sw.	D. L. Carmichael.
Charleston	Charleston	48	47	63.5	−0.3	83	21	43	12	24	2.49	−0.50	1.20	0	9	11	8	11	sw.	U. S. Weather Bureau.
Cheraw††	Chesterfield	144	28	59.2	−2.2	88	4	33	6	42	6.80	+3.98	2.20	0	7	...	...	...	s.	Roland D. Powe.
Conway	Horry	25	32	62.4	−0.4	89	3	36	6	36	8.99	+6.08	3.33	0	10	12	2	16	w.	Paul Quattlebaum.
Darlington	Darlington	175	23	61.1	−0.6	90	3	32	6	45	6.18	+3.03	1.92	0	9	17	2	11	.....	D. C. McCall.
Edisto ‡‡	Bamberg	113	30	......	......	......	.....	.....	.....	....	3.62	0.00	1.26	0	11	....	....	....	.....	Nathan Jenkins.
Effingham	Florence	106	25	......	......	.....	.....	.....	.....	.....	8.33	+5.15	2.25	0	12	....	....	....	......	H. B. McCall.
Ferguson	Orangeburg	63	32	61.0	−1.2	89	4	39	† 1	43	6.11	+3.31	3.63	0	12	12	7	11	w.	Henry C. Savage.
Florence 1	Florence	136	29	61.4	−1.0	91	3	35	6	53	5.74	+2.97	2.00	0	12	12	6	12	sw.	H. K. Gilbert.
Florence 2	do	136	3	.....	......	.....	.....	.....	.....	.....	7.94	+5.17	2.75	0	10	15	6	9	nw.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	23	63.0	−0.5	87	3	40	†10	37	8.60	+5.30	1.85	0	9	18	7	5	e.	A. P. Hazard.
Kingstree	Williamsburg	54	29	61.8	−1.3	88	3	39	6	28	5.41	+2.75	2.95	0	11	16	2	12	e.	W. H. Matthews.
Oaks	Georgetown	......	3	[i]60.4	......	[g]92	3	[h]40	12	[i]46	15.11	......	4.60	0	13	11	8	8	w.	O. M. Mitchell.
Orangeburg	Orangeburg	264	2	61.6	......	87	† 3	39	† 6	36	3.55	....	0.95	0	11	11	1	18	w.	U. S. Fisheries Station.
Pinopolis **	Berkeley	54	68	....	......	.....	.....	.....	.....	.....	.....	......	.....	.....	..		.		......	Miss E. P. Ravenel
Rimini	Clarendon	97	4	......	......	....	.....	....	...	..	3.97	......	1.10	0	13		..	.	.....	William B. Wolfe.
St. George	Dorchester	109	29	64.6	+0.6	90	4	43	† 6	32	3.11	+0.25	0.99	0	11	12	7	11	sw.	R. S. Weeks.
St. Matthews	Calhoun	62	22	62.2	−0.8	90	3	37	12	35	4.31	+1.27	1.13	0	12	12	8	10	s.	J. S. Wannamaker.
Society Hill	Darlington	192	26	[d]60.6	−1.2	[a]88	† 2	[a]33	6	[a]41	6.04	+2.75	2.02	0	10	11	9	10	sw.	A. H. Rogers.
Summerville	Dorchester	75	20	63.9	+0.6	86	4	39	10	37	5.44	+1.96	2.80	0	11	3	24	3	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	15	63.8	−1.4	91	4	38	13	45	5.13	+1.80	1.51	0	9	23	2	5	....	J. N. Frank.
Yemassee	Hampton	24	22	64.4	+0.6	88	† 3	38	12	37	4.19	+1.26	1.42	0	9	13	4	13	ne.	J. G. Hutson.
Division means and	extremes	......	..	62.3	−0.7	92	3	32	6	53	6.21	+3.15	5.28	0	10	12	8	10	sw.	
Western Portion.																				
Aiken	Aiken	527	57	63.0	+0.1	86	1	35	12	40	5.04	+1.92	1.59	0	10	14	2	14	nw.	Frank B. McCoy.
Anderson	Anderson	764	22	58.6	−2.7	86	3	33	10	43	6.23	+2.96	1.25	0	15	14	1	15	w.	H. H. Russell.
Batesburg	Lexington	656	29	59.2	−1.2	84	3	35	12	37	6.32	+3.23	1.72	0	9	9	10	11	n.	E. J. Hite.
Blairs	Fairfield	293	15	......	......	.....	.....	.....	.....	...	6.06	+3.95	1.43	0	12	.....	...	...	.....	J. N. Owens.
Calhoun Falls	Abbeville	508	25	59.6	....	86	4	35	†10	40	5.75	+2.17	2.42	0	12	7	7	16	e.	L. M. Parker.
Camden	Kershaw	222	58	63.2	−0.8	87	†17	35	13	42	5.86	+2.90	1.55	0	11	15	10	4	ne.	W. C. Brown.
Catawba	York	562	14	...	.....	.....	.....	.....	.....	...	6.84	+4.44	2.57	0	9	..	...	.	.....	James C. Faris.
Chappells	Newberry	402	14	......	......	.....	.....	.....	.....	...	5.15	+2.95	2.20	0	10		..	.	....	J. J. Murran.
Clemson College	Oconee	850	26	59.0	−0.4	80	2	35	11	34	4.25	+0.47	1.87	0	11	15	15	0	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	31	61.6	−1.2	84	3	37	12	26	7.23	+4.37	3.94	0	14	8	8	14	ne.	U. S. Weather Bureau.
Edgefield	Edgefield	......	4	......	......	.....	.....	.....	.....	..	7.05	....	2.10	0	8	....	...	...	......	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	5	......	....	.....	.....	.....	.....	...	4.97	+1.75	1.58	0	10	..	.	.	.....	Harry A. Parshall.
Greenville	Greenville	1039	25	56.6	−1.7	82	4	36	12	30	4.84	+1.16	1.99	T.	14	5	13	12	ne.	U. S. Weather Bureau.
Greenwood	Greenwood	671	29	57.6	−3.5	83	4	34	11	39	4.91	1.98	1.89	0	10	12	1	17	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	17	57.4	−3.0	83	† 3	35	14	43	5.66	+2.73	2.00	0	7	3	21	6	w.	J. Marvin Bowers.
Kershaw	Kershaw	560	2	.....	......	.....	.....	33	6	....	5.28	......	1.60	0	10	18	0	12	w.	John W. Hamel.
Landrum	Spartanburg	1063	3	[e]57.8	....	[e]87	21	[e]33	14	[e]46	3.81	....	1.12	T.	11	....	...	.	......	R. Hartwell Wilds, D.D.S
Laurens	Laurens	589	...	...	......	.....	.....	.....	...	.	....	......	.....	.....	..	...	...	...	.....	Perry A. Simpson.
Liberty	Pickens	900	19	59.2	−1.1	88	3	25	13	42	4.11	0.52	1.10	0	15	8	17	5	sw.	John T. Boggs.
Little Mountain	Newberry	711	25	[a]60.2	−1.7	86	4	[a]37	12	[a]41	5.68	+2.51	1.80	0	7	11	9	10	w.	J. M. Sease, M. D.
Meriwether	McCormick	450	15	......	.....	....	.....	.....	.....	..	.....	....	....	....	...	..	.	..	....	Mrs. Marie R. Middleton.
Monetta	Saluda	490	11	62.2	−1.8	84	† 3	33	12	41	5.72	+3.09	1.84	0	15	5	17	8	sw.	Joseph M. Johnson.
Mountain Rest	Oconee	1380	3	......	......	.....	.....	...	.....	.....	...	......	......	......	..	.	.	..	......	James L. Brown.
Newberry	Newberry	502	15	60.8	1.2	88	3	36	8	40	6.23	+3.46	1.30	0	15	3	14	13	sw.	Warren G. Peterson.
Pelzer	Anderson	850	14	...	....	.	.....	.....	.....	...	4.54	+1.00	1.76	0	10	...	...		....	Joshua Y. Jones.
Saluda	Saluda	536	17	60.3	2.2	85	† 3	22	13	39	5.58	+3.11	1.47	0	12	11	5	11	w.	Mrs. F. V. J. Maxwell
Santuck	Union	512	25	[a]59.7	−0.5	86	4	[a]32	6	[a]43	5.43	+2.15	1.44	0	14	7	13	10	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	35	56.9	−3.3	87	4	34	6	46	3.46	+0.39	1.20	0	8	...	...	...	....	F. P. Robinson.*
Trenton	Edgefield	620	29	60.8	−1.8	84	4	27	10	38	6.05	+2.72	2.30	0	9	12	8	10	sw.	Mrs. S. E. Long.
Walhalla	Oconee	1061	15	......	......	...	.....	....	.....	...	3.58	+1.04	0.76	0	15	6	13	11	sw.	H. W. Brandt.
White Oak	Fairfield	548	2	[a]60.9	−0.2	[a]85	3	[a]25	6	[a]46	6.40	+3.63	2.07	0	9	15	7	8	sw.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	19	59.3	−1.2	84	† 2	33	6	42	7.30	+4.28	2.20	0	9	6	17	7	s.	W. P. Goodman.
Division means and	extremes	......	...	59.8	−1.2	88	3	32	† 6	46	5.49	+2.23	3.94	T.	11	10	10	10	sw.	
Section means and	extremes	......	..	61.0	−1.3	92	3	32	† 6	53	5.82	+2.94	5.28	T.	11	11	9	10	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for April, 1918.

Stations.	Watersheds.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ‖	Savannah		.05						2.00	.92											.25	.22					1.10	.12	.05				4.71
Beaufort	Coast																																
Blackville ‖	Edisto		.20						2.20	2.10		.01	.15								.40	.48					1.45	.35					7.34
Bowman	do	.20		.33		.10			1.64		T.	.29							.15	.20	.24	.31	.12			T.	.70				.48		4.76
Centenary	Pee Dee	T.			T.	.25		T.	T.	2.57		.06							.45	.36	5.28	.06	T.			T.	2.05				1.50		12.58
Charleston ***	Coast	.02	.11			T.		T.	1.20			.05									.03	.01		.02				.97			.08		2.49
Cheraw ‖	Pee Dee					.11			.50	1.20	.17	T.	.04						T.	T.	2.20	2.10					.12	.36					6.80
Conway ‖	Waccamaw					.33			.20	3.33	.08		T.							.20	1.30	1.23		T.			.46	1.82			.04		8.99
Darlington ‖	Pee Dee					.25			.32	1.10	.05		.15								1.75	1.92					.33	.31					6.18
Edisto ‖	Edisto		.11			.15			.76	.58			.06							.17	.22	.27		.04		.90	.36						3.62
Effingham ‖	Lynches					.46			.25	1.30	.10	.08	.20							.08	2.10	2.25	.25				.70	.56					8.33
Ferguson ‖	Santee		.07		.02	.18			.65	.08		.05	.26								3.63		.11	.02			.65	.39					6.11
Florence 1 ‖	Pee Dee		.04			.21			.39	.92	.14		.12								2.00	.40	.16				.38	.95			.03		5.74
Florence 2	do	.02			.30			.50	.60	.27									.10	1.70	2.75						1.00				.70		7.94
Georgetown	Coast			.25	.45			T.	1.45	1.90		.45								1.00	.80	.45	T.				1.85						8.60
Kingstree ‖	Black				T.	.05			.43	.73	.11	.05	.07								1.05	1.90					.55	.35			.12		5.41
Oaks	do	.03			T.	.01			.45	3.25	T.	.20						.20	.59	1.20	3.10	1.25	.02				4.60				.27		15.11
Orangeburg	Edisto	T.	.20	T.	.20	T.			.75	.20	T.	T.	.20							.10	.15	.45		.05			.95	.30		T.			3.55
Pinopolis	Cooper																																
Rimini ‖	Santee		.14			.20			.55	.47		.12	.18							.10	.40	.65		.05			.85	.25		.01			3.97
St. George ‖	Edisto		.02			.06			.67	.27		.02	.04							.20	.99	.09					.59	.61					3.11
St. Matthews ‖	Santee		.10		.18	.11			.75	.40		.20	.30							.15	.35	1.13					.50	.14					4.31
Society Hill ‖	do					.24			.42	1.20	.05		.12							.11	2.02	1.28					.58	.02					6.04
Summerville	Ashley	.12	.29		.09	T.		T.	.69			.03							.17		.90	.04	T.	.02			2.80				.29		5.44
Walterboro	Ashepoo	.02	.24			.11			1.05											.40	.78	.04					.98				1.51		5.13
Yemassee ‖	do				.61	.02			.60	.72										.31	.37	.05					1.42	.09					4.19
Western Portion.																																	
Aiken	Edisto	.09							1.59	.92		.05	.03						.23	.05	.63	.57					.88						5.04
Anderson	Savannah			1.25				.60	1.00	.03		.05					.12		.12	1.18	.70	.62				.06	.13		.08	.08	.21		6.23
Batesburg ‖	Edisto		T.		.19	T.			1.27	.98	T.	T.	.27						.11	T.	1.72	.39					1.24	.15				T.	6.32
Blairs ‖	Broad				.05				.94	1.18		.02	.11					.02		.03	1.26	.94					1.43	.04			.04		6.06
Calhoun Falls ‖	Savannah		.10		.27				1.10	.22		.09						.15	.11		.44	2.42					.48			.26	.11		5.75
Camden ‖	Wateree				.16	.22			.80	.72			.36						.05	.06	1.40	1.55					.45	.15					5.92
Catawba ‖	Catawba	.15			.05	.25			.82	1.48											2.57	.90					.50	.12					6.84
Chappells ‖	Saluda		.02		.10				.98	.80	T.		.40					.02	T.		1.50	.70					.49			T.	.14		5.15
Clemson College	Savannah	.09		.25					1.87								.10		.10	.44		.73					.25		.05	.04	.33		4.25
Columbia ***	Congaree	.01		.02	.12			.21	3.70	.07		.19					T.	.06	.01	.79	.85	.60					.57		T.	T.	.03		7.23
Edgefield ‖	Savannah				.20				.90	2.10			.10							.15	1.30	1.10					1.20						7.05
Gaston Shoals ‖	Broad	T.		.19	T.				.97	.95	.02	T.	.16			T.	T.	T.	T.	.04	1.57	.78					.26	.02		.01	T.		4.97
Greenville ***	Saluda	.01		.78	T.			1.05	1.03	T.		.04					T.	.06	.26	.26	.77	.02				T.	.18		.08	.01	.29		4.84
Greenwood ‖	do				.56				1.20	.38			.12					.10	.11		.20	.69					.43			.12			4.91
Heath Spring	Wateree			.02	.21				2.00												1.54	.48				.76					.65		5.66
Kershaw ‖	Lynches				.01	.15			.93	.86			.10							.20	1.40	.97					.41	.25					5.28
Landrum	Broad	.03	T.	.07						.34		.09					T.		.31	.31	1.12	.31					.24		.03	T.	.96		3.81
Laurens	Saluda																				.85	1.15				.10							
Liberty	Savannah	.02		.20	.02			.30	.75			.02				.04		.25	.30	1.10	.26						.20	T.	.25	.05	.35		4.11
Little Mountain	Saluda			T.					1.80	.45		.45								1.30	.85						.50				.33		5.68
Meriwether	Savannah																																
Monetta	Edisto	.06			.15	.04			1.84	.52		.23	.01						.19	.84	.37	.42				.13	.65			.09	.18		5.72
Mountain Rest	Savannah																																
Newberry	Saluda	.01		.10				.40	1.30	1.20		.60	.04				T.		.03	.75	.33	.45				T.	.66		.01	.11	.24		6.23
Pelzer ‖	do				.12				1.72	.04		.04	T.				T.		.22		1.42	.78					.08			.08	.04		4.54
Saluda	do			.25		.05		.80	.20			.25							.05	1.47	.60	.79					.72			.15	.25		5.58
Santuck	Broad	.12		.05	.08			.16	1.28	.75		.18					.06		T.	.34	.74	.78					.63			.07	.19		5.43
Spartanburg ‖	do	T.		T.	T.			T.	1.20	.30	T.	T.	.12			T.		T.			1.10	.50					.15			.06	.03		3.46
Trenton	Edisto	.05		.05				.25	2.30	.85	T.								T.	.90		.55				.50	.60			T.			6.05
Walhalla	Savannah	.07	.07	.05	.07			.73	.76			.05					.14		.30	T.	.31	.10				T.	.34		.03	.08	.48		3.58
White Oak	Broad			.07					2.07	.42		.09								.88	1.15	.52					.80				.40		6.40
Winthrop College	Catawba	.05			.25				1.10	1.30										.45	2.20	1.05					.85			.05			7.30

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. † Separate dates of falls not recorded. T Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR APRIL.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	62.3	94	28	2.09	5				
1888	64.6	95	31	1.33	4				sw.
1889	62.4	93	30	2.01	6				ne.
1890	62.8	98	31	2.02	6				sw.
1891	63.2	92	26	1.66					sw.
1892	62.8	88	29	1.13					nw
1893	66.7	94	34	1.30	5	15	10	5	sw.
1894	*62.6	95	30	2.01	6	15	10	5	sw.
1895	61.4	94	28	5.55	10	12	9	9	sw.
1896	66.9	98	30	1.31	4	14	11	5	sw.
1897	62.2	95	31	3.24	9	16	6	8	sw.
1898	58.0	92	26	5.05	8	16	7	7	sw.
1899	60.0	91	27	3.02	7	12	9	9	n.
1900	62.4	90	24	5.41	9	12	9	9	ne.
1901	56.0	89	30	5.03	7	15	6	9	nw.
1902	60.4	91	24	2.18	7	15	9	6	w.
1903	60.1	88	23	2.55	8	14	9	7	w.
1904	59.2	89	21	1.34	6	14	8	8	sw.
1905	62.8	92	25	3.83	9	15	8	7	sw.
1906	65.1	93	28	1.39	4	20	6	4	sw.
1907	56.4	89	20	4.40	10	10	13	7	sw.
1908	66.6	95	31	4.75	9	11	10	9	sw.
1909	63.9	96	30	2.95	7	14	9	7	sw.
1910	63.4	95	32	1.71	5	15	10	5	sw.
1911	61.6	91	30	2.95	8	12	9	9	ne.
1912	61.3	91	32	4.24	9	14	5	11	sw.
1913	61.2	90	30	2.00	6	20	4	6	sw.
1914	63.7	98	30	2.86	7	14	10	6	w.
1915	63.4	96	25	1.47	4	20	6	4	w.
1916	61.6	93	24	1.79	5	18	8	4	w.
1917	61.9	96	28	3.34	7	20	6	4	sw.
1918	61.0	92	32	5.82	11	11	9	10	sw.
Period	62.3	98	20	2.88	7	15	8	7	sw.

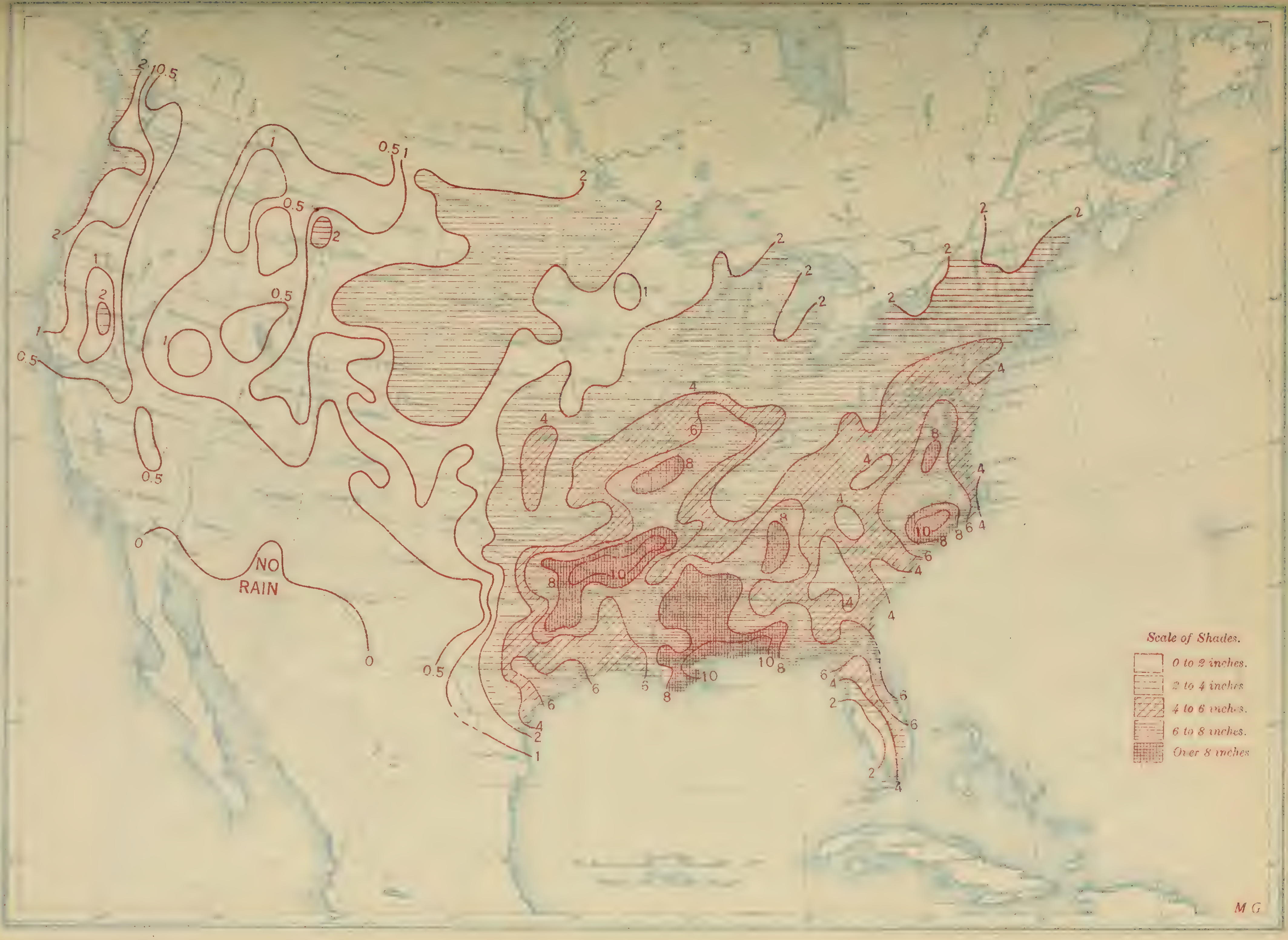
Daily Temperatures for April, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	75	79	82	88	65	71	69	74	63	51	52	66	67	72	78	78	82	82	75	77	75	69	77	82	82	59	73	77	79	84	....	73.5
	Minimum	55	55	55	58	48	39	52	53	52	42	45	39	39	46	47	54	59	61	62	62	65	53	58	62	55	49	49	53	61	63	....	53.0
Beaufort	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Blackville §	Maximum	72	85	87	79	68	72	71	73	57	62	56	69	69	71	80	81	89	83	87	78	78	70	80	85	85	61	78	80	80	85	....	75.5
	Minimum	49	58	58	56	43	40	44	57	51	40	40	38	39	43	48	51	53	59	63	64	62	53	43	44	54	50	46	46	49	60	....	50.0
Bowman	Maximum	75	81	87	86	70	70	70	71	61	62	60	62	65	70	77	75	85	80	78	77	77	72	79	82	80	76	80	78	80	82	....	75.0
	Minimum	50	56	55	52	50	38	50	52	48	38	43	38	37	40	45	46	55	60	60	61	62	55	42	45	52	50	42	45	50	60	....	49.2
Centenary	Maximum	80	87	90	84	69	69	64	69	63	65	56	65	63	65	74	76	84	79	77	74	79	70	70	81	74	64	68	73	82	77	....	73.2
	Minimum	49	59	58	53	44	34	47	58	47	42	44	37	40	39	51	46	63	65	62	64	65	56	48	57	55	48	50	48	55	63	....	51.6
Charleston	Maximum	72	80	80	76	64	62	68	66	60	59	59	66	60	63	67	76	76	79	73	76	83	68	76	80	73	63	69	69	73	81	....	70.6
	Minimum	58	64	63	63	52	48	57	60	47	43	47	43	47	50	56	57	62	65	66	66	65	56	52	58	63	5	49	55	64	65	....	56.4
Cheraw §§	Maximum	76	82	84	88	58	67	69	63	60	67	62	67	60	72	72	80	80	74	73	72	65	67	62	66	64	54	72	72	80	78	....	70.0
	Minimum	41	52	56	54	46	33	46	46	46	42	40	36	41	35	48	45	56	65	64	61	55	54	45	50	54	43	43	44	51	61	....	48.4
Conway §§	Maximum	76	87	89	85	64	70	64	68	56	63	57	67	67	70	76	79	87	81	76	74	80	67	79	85	79	58	71	76	82	82	....	73.9
	Minimum	49	51	55	51	41	36	40	58	56	42	43	41	41	41	47	47	50	64	63	64	65	57	48	52	57	52	51	47	54	59	....	50.9
Darlington §§	Maximum	78	88	90	87	62	70	70	69	51	60	48	64	64	68	76	77	85	81	82	77	77	69	78	83	77	54	73	73	80	80	....	73.0
	Minimum	45	55	52	53	52	32	47	53	49	41	40	38	38	38	47	46	55	63	60	63	60	56	47	52	55	47	45	46	52	62	....	49.2
Ferguson §§	Maximum	70	82	86	89	62	62	72	70	55	63	50	65	67	68	76	78	85	81	82	80	74	65	79	83	80	56	73	75	84	84	....	73.2
	Minimum	39	58	55	55	47	40	42	42	42	39	39	39	42	42	44	42	42	63	62	64	60	57	45	44	45	52	49	47	51	62	....	48.8
Florence 1 §§	Maximum	79	88	91	88	65	73	69	71	53	60	48	64	65	70	77	77	86	83	80	74	79	69	79	84	77	50	67	76	83	83	....	73.5
	Minimum	43	53	58	57	42	35	37	51	53	42	42	38	39	42	44	48	49	61	63	63	61	56	48	49	55	45	46	48	54	56	....	49.4
Georgetown	Maximum	73	84	87	84	61	64	69	74	60	60	50	68	65	57	74	77	82	73	77	85	80	72	78	84	78	64	70	74	80	83	....	72.6
	Minimum	52	58	59	58	47	43	43	52	55	40	45	42	45	40	50	49	56	64	66	66	66	59	52	50	50	55	50	50	56	63	....	53.3
Kingstree §§	Maximum	72	84	88	87	62	68	73	70	54	62	51	65	64	68	76	78	86	84	79	81	80	66	79	85	77	53	71	76	85	83	....	73.6
	Minimum	51	56	56	57	45	39	42	52	53	40	42	40	42	41	48	47	50	61	64	64	65	57	47	47	53	52	49	48	49	45	....	50.0
Oaks	Maximum	85	89	92	90	72	70	71	69	60	61	53	65	67	68	70	78	82	....	....	....	....	....	....	82	79	66	70	8	83	....	....	[g]73.9
	Minimum	44	57	54	52	44	....	45	56	48	46	44	40	40	42	48	40	....	....	....	....	....	57	....	49	54	49	50	53	....	....	....	[h]47.0
Orangeburg	Maximum	71	81	87	87	62	70	70	70	56	61	47	66	66	69	76	81	87	87	81	79	77	67	80	83	76	57	71	77	81	83	....	73.5
	Minimum	42	56	55	55	46	39	44	55	49	40	41	39	39	43	46	48	52	59	62	63	62	54	45	47	54	48	47	47	52	57	....	49.6
St. George §§	Maximum	77	83	88	90	64	72	72	71	56	61	50	66	68	71	78	80	88	88	80	79	79	65	80	83	81	57	69	73	84	87	....	74.4
	Minimum	59	63	58	62	50	43	54	60	51	43	48	43	45	47	53	52	60	65	66	66	67	58	48	52	57	50	49	51	57	63	....	54.9
St. Matthews §§	Maximum	71	85	90	88	60	69	71	69	59	61	49	67	66	70	77	78	86	78	79	78	77	69	80	84	78	57	70	75	82	83	....	73.5
	Minimum	51	56	57	57	45	39	41	57	49	49	42	37	39	41	48	49	54	60	62	63	62	53	45	43	56	50	47	48	53	58	....	50.8
Society Hill §§	Maximum	78	88	88	85	61	68	68	68	59	57	49	64	62	68	75	75	85	86	79	76	76	72	....	84	72	57	71	71	81	78	....	[a]72.3
	Minimum	52	56	55	54	41	33	43	53	49	41	38	35	41	39	48	47	53	63	59	62	57	54	46	....	51	44	45	49	51	62	....	[a]48.9
Summerville	Maximum	74	79	85	86	73	69	72	68	64	61	58	65	66	69	75	78	82	81	79	78	79	77	76	83	81	77	69	74	82	84	....	74.8
	Minimum	53	62	58	59	49	43	52	59	52	39	47	43	41	44	51	50	59	61	64	65	65	55	48	52	55	52	47	50	55	61	....	53.0
Walterboro	Maximum	74	82	89	91	65	70	73	70	64	61	53	61	68	72	78	79	85	79	79	83	81	71	81	87	82	71	70	75	80	79	....	75.1
	Minimum	53	62	55	60	45	42	52	60	52	41	45	41	38	45	48	47	57	67	63	67	66	55	42	43	55	56	47	49	61	52	....	52.4
Yemassee §§	Maximum	78	81	88	88	66	70	73	72	59	63	55	66	70	73	76	81	86	83	79	82	80	64	80	84	82	66	73	76	83	82	....	75.1
	Minimum	54	57	67	55	56	43	45	60	54	41	43	38	40	39	46	47	49	59	61	64	65	57	43	49	56	56	45	47	55	62	....	53.8
Western Portion.																																	
Aiken	Maximum	70	79	83	85	81	68	68	71	63	56	56	64	64	68	76	76	83	83	79	74	72	71	77	81	82	80	71	75	74	74	....	73.5
	Minimum	57	61	58	58	47	41	52	57	49	39	42	37	43	43	50	55	59	63	63	6	57	56	48	53	60	51	46	54	59	62	....	52.5
Anderson	Maximum	70	82	86	85	63	68	62	64	57	56	50	57	67	67	76	68	86	80	70	69	67	63	77	81	73	56	69	66	70	70	....	68.9
	Minimum	55	53	52	55	42	36	51	52	39	33	39	36	38	42	46	57	58	58	58	52	50	43	48	51	51	47	49	53	51	58	....	48.4
Batesburg §§	Maximum	70	80	84	82	60	59	67	67	52	49	43	60	62	67	75	75	83	81	71	69	71	6	75	80	77	51	70	74	73	72	....	68.8
	Minimum	49	58	60	59	45	40	42	52	5	38	39	35	38	41	46	48	52	57	61	62	57	50	49	53	51	49	45	46	54	57	....	49.5
Calhoun Falls	Maximum	70	81	84	86	63	71	67	68	59	53	49	60	68	67	79	75	84	85	77	66	70	66	80	83	81	57	73	71	74	73	....	71.3
	Minimum	48	53	55	57	46	39	40	53	50	35	38	37	35	38	43	50	58	60	60	57	53	45	46	48	51	50	48	48	53	54	....	47.9
Camden §§	Maximum	70	81	81	87	63	71	72	67	56	60	49	67	66	72	80	80	87	85	75	74	82	71	87	85	82	80	77	75	80	76	....	74.6
	Minimum	53	55	57	57	45	40	45	52	51	46	44	41	37	45	48	51	55	63	64	64	60	52	51	54	58	47	49	52	54	69	....	51.9
Clemson College	Maximum	65	80	78	79	75	68	63	63	62	63	58	60	62	61	68	69	77	75	7[illegible]	65	6[illegible]	64	67	76	76	69	66	63	69	67	....	68.2
	Minimum	55	58	51	50	45	41	54	56	40	36	35	39	41	42	50	51	60	50	57	52	50	47	44	54	54	51	53	51	53	49	....	49.9
Columbia	Maximum	68	82	84	82	59	66	68	66	56	56	48	61	63	66	75	76	82	80	70	72	77	68	78	82	77	5[illegible]	68	73	76	74	....	70.3
	Minimum	57	60	60	58	46	40	52	56	45	41	42	37	45	43	53	56	61	64	62	58	57	53	52	56	59	49	47	53	59	62	....	52.8
Greenville	Maximum	66	80	78	82	57	61	55	59	52	55	50	59	60	62	71	68	78	70	64	56	65	63	75	79	68	53	65	60	67	66	....	65.0
	Minimum	5	57	57	52	42	37	49	52	38	38	39	36	38	59	52	57	57	58	55	49	49	47	46	54	50	47	46	51	49	55	....	48.3
Greenwood §§	Maximum	68	79	82	83	62	66	63	66	55	52	46	63	62	64	73	72	80	80	70	59	69	63	76	79	75	53	68	70	72	70	....	68.0
	Minimum	39	56	50	57	44	36	37	52	48	37	34	36	37	39	40	49	56	55	60	57	51	40	46	50	50	49	45	45	53	54	....	47.2
Heath Spring	Maximum	78	80	83	83	75	74	66	60	60	55	51	59	58	64	70	78	80	70	78	77	71	61	73	70	63	71	70	72	72	69	....	70.1
	Minimum	39	40	42	42	41	42	45	43	40	39	38	39	39	45	48	50	51	50	52	59	52	50	48	52	42	41	40	41	43	61	....	44.7
Kershaw §§	Maximum	77	81	79	83	63	58	61	70	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	72	56	69	73	78	73	....	....
	Minimum	51	55	58	54	41	33	36	49	48	40	39	38	39	37	39	51	52	59	59	61	53	51	46	43	54	47	44	45	52	54	....	47.8
Landrum	Maximum	72	80	80	....	....	....	....	....	56	52	56	58	62	64	7[illegible]	71	86	70	76	67	69	65	78	87	74	60	67	62	71	67	....	[e]69.2
	Minimum	55	52	56	....	....	....	....	....	41	35	35	36	37	33	43	53	53	57	55	51	49	43	41	47	48	47	46	46	45	58	....	[e]46.4
Laurens	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	82	82	80	78	78	66	76	82	71	51	68	71	73	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	60	58	62	41	48	44	50	51	48	45	47	52	60	....	....
Liberty	Maximum	69	83	88	84	72	6	59	63	61	57	53	51	65	63	72	80	80	77	64	69	68	67	79	82	75	62	70	62	73	68	....	69.5
	Minimum	57	50	48	54	42	38	52	52	38	36	40	36	38	39	56	58	59	60	54	51	50	45	45	45	50	50	49	55	50	60	....	48.9
Little Mountain	Maximum	74	83	79	86	73	68	68	68	65	58	52	67	60	69	72	74	82	79	70	68	70	69	78	79	80	77	71	71	71	70	....	71.5
	Minimum	57	56	57	57	45	40	50	50	48	39	40	37	42	39	51	55	60	.	60	53	48	49	49	49	51	40	44	50	49	49	....	49.0
Meriwether	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Monetta	Maximum	71	80	84	81	82	69	66	68	62	56	53	61	6	68	77	77	84	82	70	70	72	70	77	81	79	72	71	75	74	74	....	72.7
	Minimum	60	59	59	57	47	41	51	56	49	39	41	33	4	43	48	54	60	63	62	62	56	50	47	52	59	4[illegible]	46	52	55	63	....	51.8
Mountain Rest	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Newberry	Maximum	72	83	88	86	72	68	66	66	62	55	49	63	62	67	75	74	84	83	73	64	72	67	79	83	76	60	70	73	75	72	....	71.3
	Minimum	57	5	57	65	46	37	50	56	47	39	40	37	42	40	45	54	58	63	61	57	52	48	49	51	56	46	45	49	51	62	....	50.2
Saluda	Maximum	70	80	85	85	79	68	66	68	65	56	51	65	65	67	75	75	84	81	73	66	73	67	77	81	79	61	71	74	75	71	....	71.8
	Minimum	55	53	58	53	46	33	52	51	38	36	42	37	32	38	44	54	59	61	59	50	53	48	45	48	55	47	45	50	53	61	....	48.8
Santuck	Maximum	70	80	86	86	65	66	67	63	58	54	49	62	62	66	75	73	82	84	74	61	70	67	77	82	68	54	68	72	75	72	....	69.7
	Minimum	64	61	....	63	4[illegible]	32	51	54	44	40	40	36	41	38	50	53	60	61	59	51	50	47	45	52	53	44	45	50	52	60	....	[a]49.7
Spartanburg §§	Maximum	74	80	84	87	60	65	62	61	53	54	50	60	62	66	76	73	83	83	66	56	70	66	79	84	52	50	68	68	73	73	....	68.1
	Minimum	38	56	57	55	41	31	35	48	47	36	37	38	37	35	36	50	57	58	57	51	48	44	44	47	52	45	44	47	48	48	....	45.7
Trenton	Maximum	70	78	80	84	76	68	66	66	59	55	50	61	64	67	74	75	83	80	74	65	71	64	75	79	78	63	78	73	73	71	....	70.7
	Minimum	50	59	58	58	46	39	51	56	44	37	41	37	39	39	49	54	59	62	61	54	58	48	49	54	58	48	46	56	62	49	....	50.9
White Oak	Maximum	72	82	85	84	81	60	66	61	62	55	51	62	62		74	74	82	82	80	66	72	70	77	80	74	68	69	72	76	71	....	[a]71.8
	Minimum	56	56	58	50	43	35	49	51	48	40	40	37	40	39		53	59	63	60	56	52	49	46	5[illegible]	56	45	41	49	52	62	....	50.0
Winthrop College	Maximum	71	81	84	81	63	65	65	63	58	51	52	61	57	66	75	71	81	82	80	62	70	64	77	83	79	77	66	70	73	73	....	69.6
	Minimum	57	57	59	51	42	33	48	53	42	39	39	39	39	37	51	54	58	61	61	52	50	46	47	55	54	43	41	48	51	60	....	49.0

Reference letters, (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, April, 1918.



OBITUARY.

WILLIAM S. MIDDLETON.

Mr. William S. Middleton, Cooperative Observer at Meriwether, S. C., died April 8, 1918, at Augusta, Ga.

Mr. Middleton was born December 5, 1870, of Calhoun stock at the old Middleton family seat in southern Edgefield County. As a public-spirited citizen he established the old cooperative station at Clark's Hill in December, 1902, which was transferred in 1910 to its present location on his plantation at Meriwether.

The Weather Bureau in this State has been fortunate in having men of such sterling character in the personnel of its cooperative force—men that have taken into the perspective the benefit of their ideals to present and future generations and that have patiently and persistently worked for the consummation of such ideals. Results from some of Mr. Middleton's investigations in air drainage on fruit lands can be found on page 24 of the March, 1916, climatological report for South Carolina. His endeavors were not confined to this work and his private affairs alone. Recognizing his worth as a typically progressive citizen, his community nominated and elected him as representative of the new County of McCormick in the last two legislatures of this State, and without solicitation or effort on his part; and it was through his efforts that the new highway in that county is now being built.

Mr. Middleton was a leader in the large peach industry centered around Meriwether and the developer and owner of the largest and most successful commercial peach orchards in this State, and was director of the Georgia Fruit Exchange, whence his products were shipped. He was a recognized authority on farming and fruit culture and was a frequent contributor to agricultural publications.

In his home life and social intercourse, Mr. Middleton was a genial gentleman and friend; in his business relations, straightforward and square in dealing, even with the humblest negro on his plantation, and in his public service, courageous and true to conviction, withal retiring and quiet by nature. In his immediate family he is survived by his wife, the sweetheart of his youth, and their daughter.

We are pleased to announce that his widow, Mrs. Marie (Rich) Middleton, has kindly consented to continue the climatological record left unfinished by her late husband. R. H. S.

JOHN H. POWE.

Mr. John H. Powe, Cotton Region and River Observer at Cheraw, S. C., died April 18, 1918, after a lingering illness.

Mr. Powe was born in Cheraw, S. C., December 26, 1844, and lived a long and useful life. In his death the Weather Bureau and the community in which he lived suffered a distinct loss.

From September 1, 1899, to within a few weeks of his death he was actively in charge of river observations at Cheraw, and of the distribution of flood warnings in that territory. Since the cotton region work and the river work were consolidated in August, 1909, he has served as cotton region and river observer.

No more faithful or efficient substation observer has come under my observation at any time. His reports were uniformly accurate, and, no matter what the obstacles to be overcome, they were filed on time. Having been a planter in the flood plain of the Great Pee Dee, and being practically ruined financially by its sudden floods before an efficient flood warning service was inaugurated, he has, by his devotion to duty, saved many others from a like disaster. It is difficult to overestimate the value of the service rendered by such faithful employees.

He was preceded as river observer at Cheraw by his brother, Dr. J. Harrington Powe, who was removed by death in 1898, after seven years of service, and by his nephew, Harris L. Powe, who served a little more than one year. It is gratifying to be able to announce that his son, Roland D. Powe, will succeed him. J. H. S.

THE REMARKABLE METEOR OF APRIL 23, 1918.

A remarkable meteoric phenomenon was witnessed throughout South Carolina and adjacent States between 8:20 and 8:42 p.m., Eastern Summer Time, in the northern sky on April 23, 1918.

The meteor came out of the firmament from the north like a flash of lightning and exploded with three distinct prongs like an immense skyrocket, casting a noticeable glare on the twilight, the sun having set at 8:01 p.m., and leaving a cloud of whitish-gray smoke or cosmic dust suspended aloft similar in many respects to a cloud from a shrapnel shell or ærial dynamite bomb. The position of the meteor at the time of explosion, as closely as could be ascertained, was as follows at the following points: Charlotte, N. C., altitude 65°, azimuth 60°; Charleston, S. C., altitude 10°, azimuth 135°; Columbia, S. C., altitude 30°, azimuth 172°.

The cosmic cloud remained apparently stationary for 22 minutes, finally dissipating at 8:42 p.m. During this period, the wind velocity at the earth's surface ranged from 8 to 10 miles per hour. After the explosion the cloud appeared to be about the length of the diameters of two apparent full moons at rising, with a width of one full moon, and its position appeared to be east and west; it was so high that reflections from the far-set sun were very pronounced, particularly on two of the denser portions of the dissipating dust, which disintegrated into several parts and spread out laterally toward the east and west. In short, the cloud apparently did not come strongly under the influence of the forward movement of the upper atmosphere until about 9 minutes after the explosion, and this would indicate a very thin, rarified condition aloft.

Reports of sounds from the explosion, covering many points in the central and northern portions of the State, range from 1 to 10 minutes after the phenomenon was observed, with an average of about 3 minutes. Several observers reported two or three distinct explosions, as of distant thunder.

Observations indicate that the explosion occurred over a point in southeastern Cherokee County, somewhat to the southward of the village of Wilkinsville, possibly near the junction of Gilkens and Thickety Creeks.

Meteoric frequency is more pronounced during the latter part of April and in August, November, and December, and this meteor probably came from a radiant in the constellation Lyra, whose maximum display occurs about April 18. Such meteors are known as Lyrids. R. H. S.

THUNDERSTORM AND HEAVY HAIL AT ANDERSON, S. C., APIRL 3, 1918.

A thunderstorm of unusual violence, accompanied by heavy wind squalls and hail, ranging in size from ordinary marbles to that of hens' eggs, traversed Anderson County from near Pendleton to near Donalds, in the upper part of Abbeville County, during the afternoon of April 3, 1918. Mr. H. H. Russell, Cooperative Observer at Anderson, where the storm appeared to have been most severe, stated that he had never witnessed such long sustained heavy rain and heavy hail. The path of the hailstorm was 6 to 7 miles wide and about 35 miles long. Young fruit, young crops, barns and other property were damaged to the extent of $5,000 or $6,000, or possibly more, of which about $1,200 represents skylights and glass windows of the cotton mills and the neighboring mill village. R. H. S.

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NSC

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

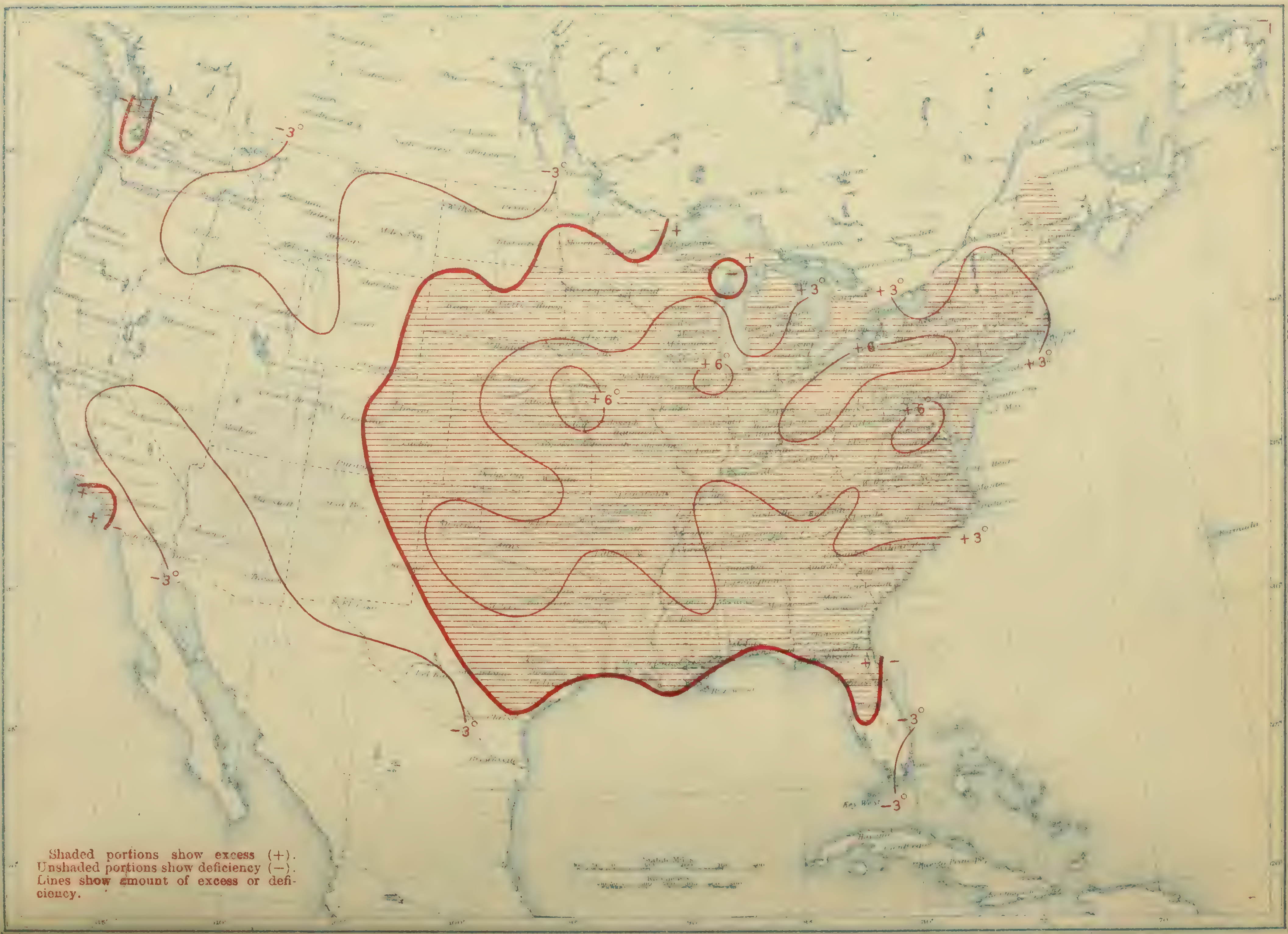
SOUTH CAROLINA SECTION

MAY, 1918.

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
July 3, 1918

Departure of the Mean Temperature from the Normal, May, 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN. Meteorologist.

VOL. XXI. COLUMBIA, S. C., MAY, 1918. No. 5.

GENERAL SUMMARY.

While thermal conditions ranged somewhat above the seasonal average, the month opened unusually cold and closed with abnormally high temperatures. The rainfall was close to the normal, but was badly distributed as to amounts and time, with a long wet period after the 8th and a period of semi-drought after the 17th.

On account of the cold, cloudy, and generally unfavorable weather during the first half of the month, planters had much difficulty in developing good stands of corn and cotton, but the warm, dry weather during the latter half was especially favorable for cotton, while corn later began to need rain. All other crops were in good to excellent condition throughout the month, except tobacco, which had not developed satisfactorily. The dry weather toward the close of the month enabled planters to eliminate much of the grass in the fields, especially in the eastern counties, where there had been too much rain. Winter wheat and oat harvests began May 20 to 23 on the coastal plain under favorable conditions and extended well into the Piedmont sections by the close of the month, with good yields generally. The native strawberry season closed about the middle of the month. White potato digging showed excellent yields. Wild blackberries, early peaches, and vegetables of all kinds were plentiful on the markets at the close of the month.

PRESSURE.

The mean sea-lever pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 30.14 inches. The highest pressure in the region covered by reports was 30.54 inches at Asheville, N. C., on the 2d, and in the Section proper, 30.48 inchest at Columbia on the same date; lowest pressure, 29.77 inches at Asheville, N. C., on the 10th, and in the Section proper, 29.79 inches at Greenville on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 44 stations, was 72.6°, or 1.1° above the established normal. The highest temperature was 100° at Bowman, Orangeburg County; Camden, Kershaw County; Darlington, Darlington County; Meriwether, McCormick County, and Spartanburg, Spartanburg County, on the 31st. The warmest period of the month was between the 23d and 31st. The lowest temperature was 31° at Landrum, Spartanburg County, on the 2d. The coldest period of the month was during the first 4 days.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 78%; 8 p. m., 67%. The highest percentages occurred over the southern coast counties, and the lowest, over the northern interior.

PRECIPITATION.

The average for the Section, 53 stations reporting, was 3.48 inch, or 0.02 inches above the established normal. The precipitation was badly distributed as to amounts and time, there being a long wet period after the 8th and a long period of relatively dry weather after the 17th, except in sections of the western portion. A superabundance of rainfall occurred in an extensive area of the eastern counties and upper coastal plain, where the amounts ranged from 4 to over 7 inches, while in the remainder of the State, except in isolated sections of the Piedmont, the measurements were less than 3 inches and ranged downward to 1 inch in western McCormick County. The greatest local monthly amount was 7.68 inches at Florence No. 1, Florence County; least mothly amount, 1.00 inch at Meriwether, McCormick County. The greatest 24-hour amount at any station was 3.61 inches at Trenton, Edgefield County, on the 13th. The average number of rainy days was 12% below normal.

WIND.

The prevailing wind was from the southwest. The average hourly velocity, determined from 8 anemometer records, was 7.3 miles. The highest average velocity in the region covered by reports was 10.5 miles per hour at Savannah, Ga., and in the Section proper, 9.7 miles per hour at Charleston; the lowest average velocity was 4.8 miles per hour at Charlotte, N. C., and in the Section proper, 6.6 miles per hour at Columbia. The highest velocity for any 5-minute period was 35 miles per hour from the north at Asheville, N. C., on the 26th, and in the Section proper, 33 miles per hour from the northeast at Charleston on the 16th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 311.1 hours, or 72% of the possible amount. The average number of clear days was 19; partly cloudy, 8, and cloudy, 4, as against normals of 16, 9, and 6 days, respectively.

RIVER CONDITIONS.

The April flood in the Santee River subsided at Ferguson by May 5, and the Waccamaw River continued in flood at Conway until the 10th. On account of extended dry weather during the latter part of the month, all rivers of the Section had relatively low stages on the 31st.

MISCELLANEOUS PHENOMENA. (dates).

Frosts.—Light: Greenville, Santuck, and Walhalla, 2; Greenville, Meriwether, Newberry, and Rimini, 3. *Heavy:* Newberry, 2. *Killing:* Landrum, 2.

Hail.—Allendale, 1; Batesburg, 24; Gaston Shoals, 13; Georgetown, Greenville, and Landrum, 8; Liberty, 9, 20.

ERRATA—MARCH, 1918.

Batesburg.—Mean maximum temperature, page 22, should be 72.1°; mean temperature, page 20, should be 60.0°.

Blackville.—Highest temperature, page 20, should be 86° on 1st.

Pinopolis.—Date of highest temperature, page 20, should be 12th.

MISCELLANEOUS DATA FOR MAY, 1918.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.14	65.8	89	33	4.38	1.49	6.3	s.	82	64	51
Augusta, Ga.......	30.13	73.6	94	44	2.05	0.73	5.0	se.	81	66	77
Charleston, S. C...	30.15	73.2	88	50	3.65	1.46	9.7	s.	76	79	84
Charlotte, N. C ...	30.13	72.3	96	41	2.92	1.36	4.8	sw.	77	63	71
Columbia, S. C....	30.14	73.8	95	45	1.56	0.52	6.6	sw.	76	54	71
Greenville, S. C...	30.11	70.7	94	40	5.61	2.28	7.7	sw.	78	64	76
Savannah, Ga.....	30.14	73.5	90	51	1.75	1.00	10.5	se.	79	73	75
Wilmington, N. C.	30.14	72.3	93	45	1.52	0.94	7.5	sw.	76	75	72
Means and extremes......	30.14	71.9	96	33	2.93	2.28	7.3	sw.	78	67	72

Climatological Data for May, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	29	73.8	+0.6	96	31	41	3	40	2.79	-0.58	1.20	0	4	17	12	2	w.	R. B. Vance.
Beaufort	Beaufort	21	31	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Miss Lillian H. Rice.
Blackville	Barnwell	296	29	73.8	+0.3	99	31	43	†2	43	3.00	-0.46	1.80	0	5	23	4	4	....	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	17	71.4	-0.9	100	31	40	3	45	2.32	-1.09	0.70	0	6	23	6	2	sw.	B. O. Evans.
Centenary	Marion	43	3	72.6	....	94	31	44	3	42	3.55	....	1.78	0	8	14	11	6	sw.	D. L. Carmichael.
Charleston	Charleston	48	47	73.2	-0.8	88	31	50	2	26	3.65	+0.18	1.46	0	5	18	7	6	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	28	72.6	+1.8	98	31	39	2	43	4.13	+0.59	1.11	0	8	....	....	....	....	Roland D. Powe.
Conway	Horry	25	32	73.5	+2.5	95	†30	46	2	36	3.37	+0.01	1.22	0	7	21	1	9	se.	Paul Quattlebaum.
Darlington	Darlington	175	23	72.8	+1.4	100	31	42	2	35	5.56	+2.21	2.87	0	7	21	1	9	....	D. C. McCall.
Edisto ‡‡	Bamberg	143	30	....	....	....	....	....	....	....	2.29	-0.74	1.04	0	5	....	....	....	....	Nathan Jenkins.
Effingham	Florence	106	25	....	....	....	....	....	....	....	7.30	+3.93	2.49	0	7	....	....	....	....	H. B. McCall.
Ferguson	Orangeburg	63	32	72.7	+1.6	95	31	42	3	39	5.08	+0.91	1.82	0	9	21	6	4	sw.	Henry C. Savage.
Florence 1	Florence	136	29	73.6	+1.3	95	†30	43	2	38	7.68	+4.13	3.36	0	7	26	2	3	sw.	H. K. Gilbert.
Florence 2††	do	136	3	....	....	....	....	....	....	....	8.28	+4.73	2.87	0	8	14	11	6	w.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	23	74.0	+1.8	95	†30	45	3	43	4.76	+1.82	1.75	0	5	22	5	4	s.	A. P. Hazard.
Kingstree	Williamsburg	54	29	72.8	+1.0	94	†11	44	†3	44	3.73	+0.58	1.76	0	5	26	1	4	s.	W. H. Matthews.
Oaks	Georgetown	....	3	[c]72.6	....	[a]92	31	[c]44	3	[c]40	6.17	....	3.06	0	11	20	8	3	sw.	O. M. Mitchell.
Orangeburg	Orangeburg	264	2	72.1	....	97	31	42	3	41	2.07	....	0.90	0	5	19	5	7	....	U. S. Fisheries Station.
Pinopolis **	Berkeley	51	68	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Miss E. P. Ravenel.
Rimini	Clarendon	97	4	....	....	....	....	....	....	....	1.88	....	0.60	0	5	....	....	....	....	William B. Wolfe.
St. George	Dorchester	109	29	74.4	+1.7	97	31	47	3	36	4.57	+1.39	1.76	0	8	21	4	6	sw.	R. S. Weeks.
St. Matthews	Calhoun	62	22	73.7	+1.9	99	31	42	2	41	2.53	-1.08	1.11	0	4	24	2	5	s.	J. S. Wannamaker.
Society Hill	Darlington	192	26	73.2	+2.2	99	31	41	2	41	6.52	+3.30	2.99	0	8	23	5	3	s.	A. H. Rogers.
Summerville	Dorchester	75	20	72.4	+0.4	92	31	44	3	41	2.96	-0.05	0.93	0	8	13	18	0	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	15	[c]72.4	-0.6	[b]97	30	[e]42	3	[c]42	3.05	-0.60	3.00	0	3	26	1	4	..	J. N. Frank.
Yemassee	Hampton	24	22	71.6	-1.2	94	31	43	†3	45	4.73	+1.43	1.64	0	6	28	0	3	se.	J. G. Hutson.
Division means and	extremes			73.0	+0.9	100	31	39	2	45	4.07	+0.70	3.36	0	6	21	6	4	sw.	
Western Portion.																				
Aiken	Aiken	527	57	73.3	+2.0	96	31	43	2	40	1.60	-1.86	0.45	0	6	24	1	6	sw.	Frank B. McCoy.
Anderson	Anderson	764	22	71.5	+0.9	96	31	40	2	43	2.79	+0.15	0.74	0	7	22	2	7	w.	H. H. Russell.
Batesburg	Lexington	656	29	72.0	+0.3	94	31	42	2	40	5.03	+1.61	1.57	0	8	21	6	4	sw.	E. J. Hite.
Blairs	Fairfield	293	15	....	....	....	....	....	....	....	3.13	+0.59	1.06	0	8	....	....	....	....	J. N. Owens.
Calhoun Falls	Abbeville	508	25	73.2	....	99	31	41	3	41	2.28	-1.25	1.42	0	4	14	6	11	w.	L. M. Parker.
Camden	Kershaw	222	58	[c]74.8	+3.8	[k]100	†31	[e]41	2	[k]45	1.75	-1.51	0.95	0	6	17	10	4	ne.	W. C. Brown.
Catawba	York	562	14	....	....	....	....	....	....	....	2.76	-0.56	1.20	0	6	....	....	....	....	James C. Faris.
Chappells	Newberry	402	14	....	....	....	....	....	....	....	3.62	+1.09	1.53	0	6	....	....	....	....	J. J. Murrah.
Clemson College	Oconee	850	26	69.6	+0.4	89	†30	38	2	38	1.77	-1.64	1.00	0	4	21	7	0	w.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	31	73.8	+2.0	95	31	45	2	33	1.56	-1.63	0.52	0	9	14	10	7	sw.	U. S. Weather Bureau.
Edgefield	Edgefield	....	4	....	....	....	....	....	....	....	3.70	....	1.50	0	6	....	....	....	....	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	5	....	....	....	....	....	....	....	4.17	+1.20	1.97	0	7	....	....	....	....	Harry A. Parshall.
Greenville	Greenville	1039	25	70.7	+3.2	94	31	40	2	32	5.61	+1.29	2.28	0	9	10	16	5	sw.	U. S. Weather Bureau.
Greenwood	Greenwood	671	29	70.8	0.5	94	31	39	2	37	2.17	-1.45	0.94	0	6	19	0	12	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	17	71.7	+0.9	95	31	40	2	39	1.91	-1.29	1.26	0	4	6	22	3	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	2	72.1	....	97	31	41	2	37	3.41	....	1.67	0	7	27	0	4	w.	John W. Hamel.
Landrum	Spartanburg	1063	3	70.8	....	97	31	31	2	50	2.95	....	1.35	0	7	21	8	2	....	R. Hartwell Wilds, D.D.S
Laurens	Laurens	589	.	[g]69.9	....	94	31	[g]35	2	[g]50	....	....	....	0	....	25	3	3	....	Perry A. Simpson.
Liberty	Pickens	900	19	72.6	+2.6	97	31	41	2	45	3.55	-0.86	1.10	0	11	12	18	1	sw.	John T. Boggs.
Little Mountain	Newberry	711	25	72.6	+0.4	95	31	43	2	38	2.70	-0.15	0.90	0	5	21	1	9	w.	J. M. Sease, M. D.
Meriwether	McCormick	450	15	[c]73.3	+2.5	[a]100	31	[c]42	2	[c]43	1.00	-1.48	0.50	0	4	....	....	....	....	Mrs. Marie R. Middleton.
Monetta	Saluda	400	11	73.6	-1.4	96	30	45	†2	42	2.68	+0.12	0.57	0	9	9	10	3	sw.	Joseph M. Johnson.
Newberry	Newberry	502	15	73.0	+1.7	99	31	38	2	46	4.36	+1.40	2.08	0	8	10	16	5	sw.	Warren G. Peterson.
Pelzer	Anderson	850	14	....	....	....	....	....	....	....	3.24	-0.50	0.74	0	10	....	....	....	....	Joshua Y. Jones.
Saluda	Saluda	536	17	71.9	+0.3	96	31	37	2	48	3.31	+0.77	1.58	0	8	22	7	2	sw.	Mrs. F. V. J. Maxwell
Santuck	Union	512	25	72.2	+1.8	98	31	39	2	45	2.52	-0.43	0.99	0	9	16	12	3	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	35	72.1	+2.6	100	31	37	2	50	1.95	-2.08	0.80	0	7	....	....	....	....	F. P. Robinson.
Trenton	Edgefield	620	29	[c]72.8	+0.4	[c]96	31	[c]43	2	[c]32	5.79	+2.93	3.61	0	7	20	7	4	sw.	Mrs. S. E. Long.
Walhalla	Oconee	1061	15	....	....	....	....	....	....	....	1.58	-2.45	0.51	0	10	14	16	1	sw.	H. W. Brandt.
White Oak	Fairfield	548	2	72.5	+1.3	95	31	41	2	41	4.31	+1.21	1.95	0	7	26	2	3	sw.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	19	72.4	2.2	99	26	39	2	41	3.58	-0.53	0.95	0	7	14	14	3	s.	W. P. Goodman.
Division means and	extremes			72.2	+1.4	100	31	31	2	50	3.03	-0.41	3.61	0	7	18	8	5	sw.	
Section means and	extremes			72.6	+1.1	100	31	31	2	50	3.48	+0.02	3.61	0	7	19	8	4	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (a, b, c), appearing in the table indicate number of days missing; for example, b represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for May, 1918.

Stations.	Watersheds.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ‖	Savannah	.20								.18						1.20	1.00	.41															2.79
Beaufort	Coast																					1.10											
Blackville ‖	Edisto	.10								1.00					.30	1.50	.10																3.00
Bowman	do	.38							T.	.48		T		.16	.28	.70	.32					T.	T.										2.32
Centenary	Pee Dee	T.							.03			.06	T.	T.	.38	1.78	.42			.20	.30	.38	T.										3.55
Charleston ***	Coast								.33						.60	1.25	1.46	T.				.01											3.65
Cheraw ‖	Pee Dee	.19								T.			.34		.44	.43	1.02	.45		.15						1.11							4.13
Conway ‖	Waccamaw	.27								.10					.78	.45	1.22	.10	T.		T.	.45		T.									3.37
Darlington ‖	Pee Dee	.75								.25					1.00	.10	2.87	.51	T.							.08							5.56
Edisto ‖	Edisto	1.04								.20				.20	.62		.23																2.29
Effingham ‖	Lynches	2.08								.14			.08		1.30	.11	2.49	1.10															7.30
Ferguson ‖	Santee	1.82								.08			.11		.16	1.54	.46	.86					.03	.02									5.08
Florence 1 ‖	Pee Dee	.67								.19			T.		1.47	1.15	3.36	.81	.03							T.							7.68
Florence 2	do					.70			.15			.20			2.35	.81	2.87	1.10	.10														8.28
Georgetown	Coast								.15			T.		.50	1.25	1.75	1.11								T.								4.76
Kingstree ‖	Black	1.76								.10						.38	.68	.81															3.73
Oaks	do								.18			.02		.02	.26	3.06	2.22		.02	.01	.03	.22	.13										6.17
Orangeburg	Edisto	.60	T.							T.					.12	.90	.10	.35	T.														2.07
Pinopolis	Cooper																																
Rimini ‖	Santee	.60													.38	.36	.18	.36															1.88
St. George ‖	Edisto	1.76								.50			.24		.28	.71	1.01	.05					.02										4.57
St. Matthews ‖	Santee	.16													.98	1.11	.28																2.53
Society Hill ‖	do	.35								.10					2.99	.05	1.48	.45		.19						.91							6.52
Summerville	Ashley	.61							T.	.38		T.	.01	T.	.22	.54	.15					.93	.13										2.96
Walterboro	Ashepoo														.04	3.00						.01											3.05
Yemassee ‖	do	1.57								.12						1.00	1.64	.07	T.				.33										4.73
Western Portion.																																	
Aiken	Edisto	.13							.26	.45					.38	.17						.21											1.60
Anderson	Savannah								.46				.10	.74	.37		.05				.04				1.03								2.79
Batesburg ‖	Edisto	.36								.83			T.		.49		.82	T.			.06	.79		T.	1.57	.11							5.03
Blairs ‖	Broad	.44								.35					1.06			.24				.50	.06		.04	.44							3.13
Calhoun Falls ‖	Savannah	.30								1.42	.10				.46			T.					T.										2.28
Camden ‖	Wateree	.18								.15					.95		.16	.20								.11							1.75
Catawba ‖	Catawba	.31								.16					1.20		.54	.40								.15							2.76
Chappells ‖	Saluda	.25								.68				.32	1.53							.69		.15									3.62
Clemson College	Savannah								.37	.10					1.00						.30												1.77
Columbia ***	Congaree	.01							.41	.02		.01	.02	.34	.22	.14	T.			.39				T.	T.								1.56
Edgefield ‖	Savannah	.60								1.50				.20	1.00								.15		.25								3.70
Gaston Shoals ‖	Broad	.27							T.	.35			T.	.02	1.53		.01			T.		1.97				.02							4.17
Greenville ***	Saluda								2.28	.06		T.	.40	1.13	.01		.07		T.	T.	.87	T.	.77	T.	.02								5.61
Greenwood ‖	do	.28								.67	.07				.94			.04							.15								2.17
Heath Spring	Wateree								.18					1.26			.36								.17								1.91
Kershaw ‖	Lynches	.44								.14					1.67		.26	.07							.69	.14							3.41
Landrum	Broad								1.07	.17			.08	1.35	.11				T.	.13		.04											2.95
Laurens	Saluda								2.02																								
Liberty	Savannah							.35	.75	1.10			T.	.35	.04		.05	.02	.10	.08	.65	T.		.04									3.53
Little Mountain	Saluda								.75						.65					.35		.05	T.	.90									2.70
Meriwether	Savannah								.50	.15	.03		T.	T.	.32																		1.00
Monetta	Edisto	.08							.57	.39		T.			.24	.24		.11			.05	.56		.44									2.68
Newberry	Saluda								.24	.96			T	.47	2.08	T.	T.				.06	.36		.07	.12								4.36
Pelzer ‖	do	.06							T.	.70	.10			.74	.64		.02	.28			.10	.30			.30	T.							3.24
Saluda	do	.02							.69	.49				1.58		.13		.15			.10			.15									3.31
Santuck	Broad								.09	.34				.58	.07		.24				.17	.02		.99	.02								2.52
Spartanburg ‖	do	.14								.80	T.			.05	.72	.04					.17	.03		T.									1.95
Trenton	Edisto								.57					3.61	.50		.40	T			.15	T.	.48	.08									5.79
Walhalla	Savannah								.51	.47	.01		.02	.35	.08			.01	.01					.11	T.	.01							1.58
White Oak	Broad	T.							.08	.31				.05	.82	T.	.25					.85		1.95									4.31
Winthrop College	Catawba	.20								.25				.50	.95		.83					.60		.25									3.58

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR MAY.

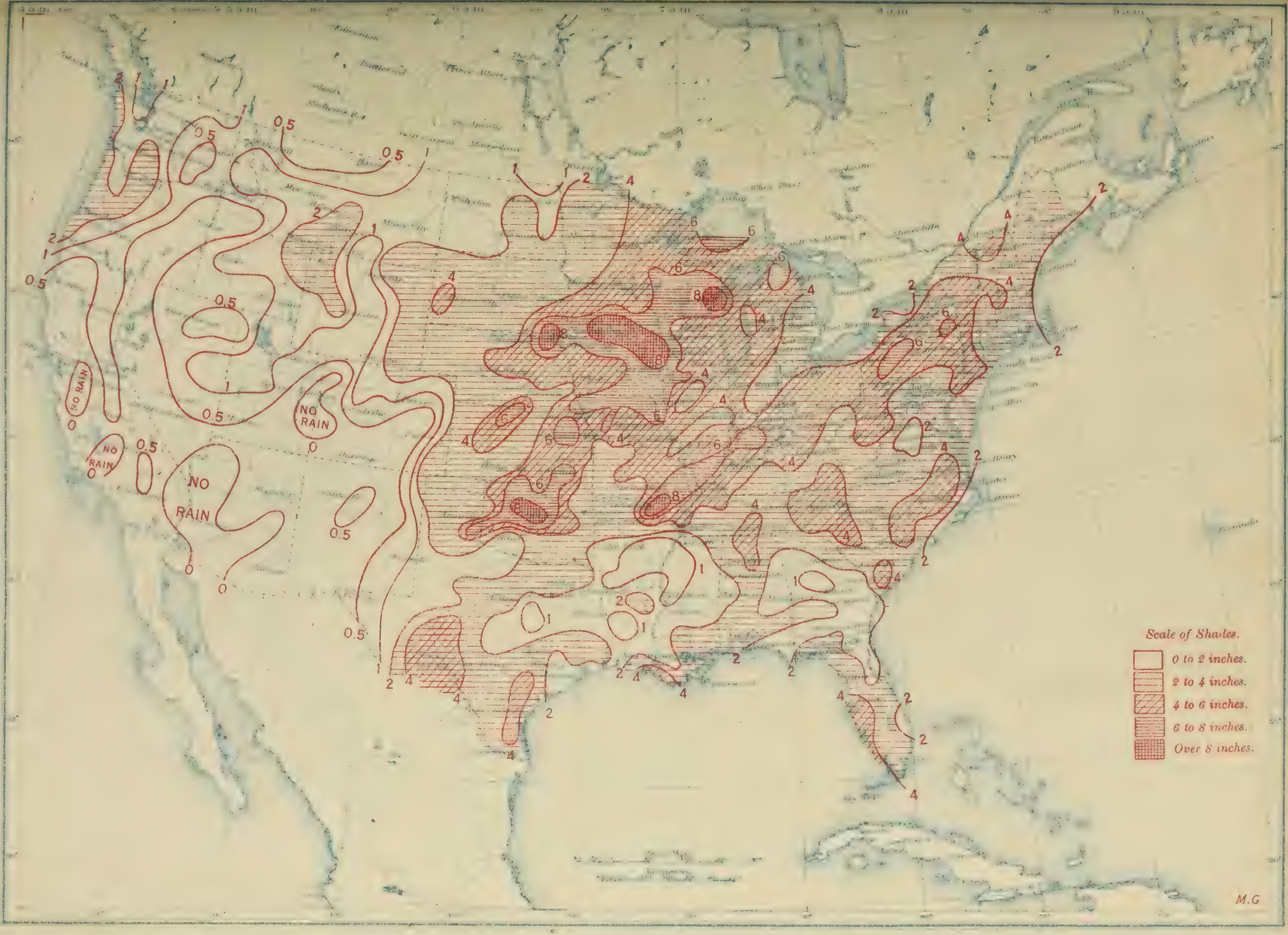
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.	Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.			Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	72.5	97	41	3.17	10					1904	72.6	99	38	2.04	7	18	8	5	s.
1888	70.2	99	33	7.51	11					1905	73.4	99	42	5.70	13	12	9	10	sw.
1889	71.7	101	35	1.97	5				nw.	1906	70.7	99	30	3.00	7	17	6	8	sw.
1890	71.0	95	30	5.44	10				sw.	1907	70.8	96	41	4.51	10	11	12	8	sw.
1891	69.0	100	36	3.57					ne.	1908	71.8	96	36	2.92	7	16	11	4	sw.
1892	71.1	94	39	3.53						1909	69.5	100	35	4.26	8	14	12	5	sw.
1893	70.2	97	38	4.13	9	13	9	9	sw.	1910	69.8	99	40	4.63	8	15	10	6	sw.
1894	70.7	98	38	3.43	9	10	16	5	sw.	1911	72.6	106	35	0.65	3	20	8	3	ne.
1895	69.0	101	34	4.36	9	11	12	8	sw.	1912	72.3	101	43	4.08	9	16	6	9	sw.
1896	76.7	104	42	2.74	8	14	13	4	sw.	1913	71.7	101	38	2.13	6	19	6	6	sw.
1897	69.3	97	38	2.39	6	18	8	5	sw.	1914	72.1	105	43	0.83	3	18	10	3	sw.
1898	73.8	106	39	1.35	5	18	10	3	sw.	1915	73.0	98	46	7.20	11	11	11	9	w.
1899	73.7	100	45	1.68	5	15	10	6	sw.	1916	73.8	103	42	2.41	5	20	7	4	sw.
1900	70.2	96	38	2.37	5	19	7	5	sw.	1917	66.3	98	31	2.09	7	18	7	6	w.
1901	71.4	99	40	7.31	11	13	10	8	sw.	1918	72.6	100	31	3.48	7	19	8	4	sw.
1902	74.0	101	42	2.69	8	15	10	6	sw.										
1903	70.7	104	44	2.69	9	12	9	10	ne.	Period	71.5	106	30	3.46	8	16	9	6	sw.

Daily Temperatures for May, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	72	71	81	88	89	93	88	83	86	92	94	89	85	82	74	75	81	82	87	85	85	86	89	88	91	92	90	96	91	95	96	86.3
	Minimum	55	46	41	53	62	62	60	63	63	64	63	67	72	68	67	63	62	60	60	62	64	64	62	64	63	63	64	62	60	62	63	61.4
Beaufort	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	80	78	76	78	78	81	83	86	86	88	90	90	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	58	56	55	59	61	62	61	60	61	63	61	62	....
Blackville §	Maximum	75	75	85	90	93	91	91	80	89	92	92	90	85	85	71	75	85	84	87	87	86	89	93	92	93	95	96	92	95	98	99	88.1
	Minimum	52	43	43	47	53	54	58	62	61	61	64	65	70	65	63	61	60	58	60	59	63	62	61	63	63	60	61	61	63	63	63	59.4
Bowman	Maximum	77	71	75	85	85	84	85	80	87	90	92	85	84	78	75	72	82	83	85	87	85	83	90	89	90	94	94	93	92	97	100	85.5
	Minimum	55	42	40	42	44	52	55	60	60	62	63	64	64	66	65	60	61	54	55	57	58	57	58	60	60	61	61	60	59	58	62	57.3
Centenary	Maximum	69	67	76	86	88	87	85	79	85	89	92	88	86	76	69	71	78	80	80	80	81	82	85	85	86	90	92	90	91	93	94	83.2
	Minimum	59	46	44	51	53	63	63	64	60	63	66	66	69	66	66	62	64	60	59	61	63	63	61	65	65	64	68	66	68	66	67	62.0
Charleston	Maximum	74	65	73	82	85	81	81	86	81	85	85	82	82	78	71	75	75	78	78	79	79	80	79	81	81	84	85	82	82	87	88	80.2
	Minimum	58	50	52	56	63	63	66	68	68	69	71	72	73	70	65	63	67	64	64	65	70	70	68	69	72	71	70	69	71	69	70	66.3
Cheraw §§	Maximum	71	71	80	82	90	89	92	82	87	92	96	88	87	79	77	70	79	82	84	86	87	89	90	90	86	92	95	92	95	94	98	86.2
	Minimum	51	39	40	42	47	52	62	61	58	62	61	63	67	65	62	59	61	56	57	59	60	61	62	64	63	65	67	67	66	65	63	58.9
Conway §§	Maximum	72	72	80	89	92	90	88	82	87	90	91	87	84	72	69	74	79	82	82	81	81	80	87	85	86	92	93	90	90	95	95	84.4
	Minimum	57	46	47	53	56	59	64	65	62	65	67	70	71	69	65	65	64	61	61	61	64	63	61	65	65	64	67	65	67	65	67	62.6
Darlington §§	Maximum	70	70	80	78	88	90	87	78	85	90	92	87	87	76	67	68	78	82	83	84	84	87	87	88	87	91	94	91	93	95	100	84.4
	Minimum	55	42	43	49	53	57	61	65	60	64	64	66	71	65	61	60	62	59	58	59	60	61	62	66	66	67	68	67	68	67	68	61.2
Ferguson §§	Maximum	71	71	81	85	88	88	86	81	87	90	91	92	86	78	72	72	85	84	83	85	81	85	88	87	89	91	91	89	90	94	95	85.0
	Minimum	59	46	42	48	50	57	57	62	63	63	63	65	68	70	66	64	62	59	58	63	62	62	59	62	62	62	62	60	65	66	64	60.4
Florence 1 §§	Maximum	71	73	82	91	91	90	88	79	87	91	94	88	87	72	67	68	80	83	83	86	83	87	88	88	88	88	94	92	92	96	96	85.3
	Minimum	57	43	45	51	53	60	62	65	61	64	65	67	70	65	64	61	62	60	60	61	63	63	62	66	67	66	68	66	69	67	67	61.9
Georgetown	Maximum	73	70	80	88	92	89	85	85	86	90	90	85	85	80	73	70	78	80	82	83	83	84	85	85	85	92	91	89	91	95	95	84.5
	Minimum	64	47	45	50	58	56	66	67	62	65	68	75	77	67	65	64	64	62	60	70	65	64	67	64	63	65	68	64	68	66	62	63.5
Kingstree §§	Maximum	70	70	80	88	89	89	87	82	87	91	94	87	87	76	75	70	80	83	83	85	82	86	88	87	88	92	92	89	92	93	94	85.0
	Minimum	59	45	44	44	50	55	55	59	61	62	64	65	68	71	66	64	64	60	59	60	60	63	61	62	64	63	67	63	66	65	65	60.5
Oaks	Maximum	83	69	73	84	88	87	85	85	85	89	90	88	86	76	70	75	79	79	81	....	80	81	85	86	86	89	90	90	90	91	92	a83.7
	Minimum	....	46	44	49	....	55	58	60	60	64	64	64	68	67	64	66	64	62	58	....	64	62	64	64	63	63	67	66	63	67	67	c61.5
Orangeburg §§	Maximum	70	69	81	88	90	91	88	78	86	91	94	88	87	76	76	71	80	81	85	86	84	87	89	89	91	93	91	92	94	91	97	85.6
	Minimum	56	44	42	47	50	50	56	60	60	62	62	63	71	64	64	62	61	57	57	59	62	60	59	62	62	61	63	60	66	60	52	58.6
St. George §§	Maximum	71	69	80	89	91	92	94	83	91	91	94	87	85	77	70	72	81	83	84	86	84	87	90	90	90	92	93	91	92	95	97	86.2
	Minimum	60	48	47	55	57	57	60	63	65	67	69	69	70	70	67	63	64	61	60	61	65	64	62	65	64	65	66	63	67	63	66	62.6
St. Matthews §§	Maximum	72	68	82	90	91	90	89	79	87	93	95	88	86	80	70	71	79	81	85	86	85	87	90	89	90	95	94	92	94	98	99	86.3
	Minimum	54	42	44	49	54	59	60	63	61	64	65	67	71	65	65	61	63	58	59	61	62	62	61	64	65	64	66	64	69	65	66	61.1
Society Hill §§	Maximum	60	70	83	91	91	90	88	79	85	91	94	89	88	78	66	69	79	80	81	85	84	87	89	89	87	93	94	92	94	97	99	85.5
	Minimum	54	41	42	52	53	57	62	65	59	63	62	66	71	65	63	60	62	58	58	60	62	61	62	66	66	67	68	67	67	66	67	61.0
Summerville	Maximum	73	70	78	85	88	87	85	83	85	80	90	84	83	79	72	75	81	82	84	86	79	83	85	85	86	87	88	87	88	91	92	83.5
	Minimum	61	46	44	51	56	55	58	62	64	64	66	67	69	69	65	63	64	60	59	59	64	64	61	63	62	64	64	61	65	62	65	61.2
Walterboro	Maximum	80	71	80	84	89	91	90	89	87	92	93	86	87	84	76	75	79	78	87	76	78	85	82	90	85	....	86	91	92	97	....	b84.3
	Minimum	59	45	42	....	53	59	55	59	62	62	62	66	73	68	65	66	59	65	57	56	58	58	59	61	59	....	61	64	59	67	....	c59.9
Yemassee §§	Maximum	75	72	80	88	89	89	88	86	88	90	91	87	82	83	68	76	80	84	86	84	82	84	86	86	87	90	89	87	90	92	91	84.9
	Minimum	56	44	43	43	52	52	53	59	59	60	62	64	64	65	67	63	64	59	57	57	59	60	60	62	60	60	60	59	62	59	62	58.3
Western Portion.																																	
Aiken	Maximum	73	69	79	87	87	87	85	83	82	85	89	88	82	79	78	74	80	82	85	85	84	85	87	88	89	91	91	90	92	94	96	84.7
	Minimum	49	43	47	53	57	59	59	63	62	67	65	67	70	66	62	62	61	60	61	65	64	64	64	65	65	64	66	67	69	65	67	61.9
Anderson	Maximum	63	69	80	87	86	81	85	78	84	82	88	86	76	76	75	75	79	82	80	82	85	88	86	87	87	91	92	90	92	93	96	83.3
	Minimum	45	40	44	54	54	55	56	62	57	61	63	66	63	59	58	60	61	58	58	63	62	62	66	62	64	68	67	65	66	66	67	59.7
Batesburg §§	Maximum	65	68	78	86	87	87	86	74	83	84	89	84	80	78	67	73	79	83	85	85	84	85	86	85	86	89	90	88	90	91	94	82.9
	Minimum	51	42	44	46	55	60	58	59	61	62	67	68	70	65	64	61	61	59	61	64	65	63	64	64	65	66	67	65	67	65	66	61.1
Calhoun Falls §§	Maximum	67	72	83	89	90	85	85	81	87	87	90	87	81	81	79	82	85	86	88	88	90	91	91	92	91	96	95	95	90	98	99	87.3
	Minimum	47	43	41	42	49	53	56	58	58	58	64	65	67	61	60	63	62	57	57	59	64	63	64	64	64	64	66	64	65	67	66	59.1
Camden §§	Maximum	77	77	87	....	....	....	....	....	....	....	....	....	86	79	72	72	81	87	81	....	87	91	91	96	96	97	....	95	97	95	100	k87.2
	Minimum	51	41	42	49	56	65	....	63	....	65	63	66	72	67	64	....	64	59	69	69	64	....	65	64	66	69	68	66	69	....	67	e62.4
Clemson College	Maximum	65	66	74	78	81	80	80	78	77	80	84	82	80	73	75	78	78	77	79	77	77	80	81	83	85	87	87	88	88	89	89	79.9
	Minimum	49	38	40	46	49	52	53	56	59	59	63	65	68	66	60	61	60	59	63	62	61	65	66	62	67	66	66	65	63	65	68	59.4
Columbia	Maximum	67	70	80	86	88	87	85	74	84	87	88	86	83	76	68	72	80	80	83	84	84	87	88	88	88	92	93	90	92	93	95	83.8
	Minimum	51	45	47	57	63	65	62	64	62	66	69	69	66	66	63	62	62	61	62	65	65	65	66	69	68	67	70	69	71	68	70	63.7
Greenville	Maximum	59	67	77	85	83	79	80	78	78	81	85	81	74	75	74	73	77	79	81	82	80	80	82	83	84	89	89	87	90	92	94	80.6
	Minimum	48	40	45	53	55	57	57	60	58	64	63	67	63	59	58	60	62	62	59	63	63	65	66	61	66	67	68	68	70	67	70	60.8
Greenwood §§	Maximum	63	66	77	84	84	82	81	77	80	82	87	82	79	76	73	73	78	79	81	82	80	83	84	85	86	89	89	88	90	91	94	81.5
	Minimum	48	39	40	50	55	57	57	57	58	58	65	65	67	63	61	61	61	60	61	62	64	63	64	65	66	65	67	67	67	67	67	60.2
Heath Spring	Maximum	65	69	78	85	87	85	83	75	84	84	83	84	83	81	80	70	75	81	83	82	81	85	85	90	89	90	92	87	90	93	95	83.0
	Minimum	50	40	46	54	58	60	69	64	57	57	65	66	64	59	60	58	58	61	60	56	61	62	64	64	65	64	68	67	67	57	70	60.4
Kershaw §§	Maximum	65	70	80	87	89	88	86	76	84	88	90	88	79	77	68	70	80	83	84	86	87	88	88	86	87	91	93	92	91	95	97	84.3
	Minimum	51	41	44	50	53	57	58	61	57	59	64	65	68	64	61	59	60	57	59	62	61	62	64	64	65	65	67	62	67	61	70	59.9
Landrum	Maximum	62	70	81	88	87	84	84	82	81	82	85	80	77	78	77	77	80	83	83	84	84	85	87	85	88	93	93	95	94	96	97	83.9
	Minimum	46	31	42	52	60	51	54	61	55	63	61	62	64	62	56	58	60	58	54	58	60	60	63	58	61	65	63	64	63	61	65	57.8
Laurens	Maximum	73	73	68	79	87	88	86	85	77	82	83	88	85	81	77	78	74	79	85	85	85	85	87	87	89	89	92	93	92	92	94	83.8
	Minimum	44	35	38	37	46	50	49	52	....	....	....	....	....	....	60	61	63	....	60	62	60	58	60	57	59	59	75	60	71	64	64	g56.0
Liberty	Maximum	65	72	81	86	82	86	84	83	85	84	87	85	86	80	80	80	82	80	81	84	83	85	84	86	89	90	93	92	93	94	97	84.5
	Minimum	48	41	41	49	53	56	64	58	66	69	63	66	59	59	59	63	62	59	59	64	62	66	68	61	65	67	66	68	69	65	68	60.7
Little Mountain	Maximum	67	70	78	86	87	88	83	83	84	84	85	85	80	79	74	73	80	84	85	84	84	85	84	84	86	89	90	90	91	93	95	83.5
	Minimum	51	43	50	50	50	61	69	65	65	61	63	67	65	63	63	62	61	60	61	61	65	65	65	66	66	65	67	65	66	67	68	61.8
Meriwether	Maximum	64	48	82	85	91	88	86	81	90	89	....	93	92	93	81	80	83	86	90	90	91	89	89	90	91	96	95	93	94	97	100	a86.6
	Minimum	....	42	....	48	53	55	56	62	60	62	....	66	68	63	61	60	55	57	60	61	53	61	64	63	62	63	64	62	65	65	68	c60.0
Monetta	Maximum	71	69	79	87	87	87	85	81	85	85	89	87	82	79	74	76	76	84	88	85	86	87	87	89	89	92	93	91	94	96	94	85.0
	Minimum	52	45	45	55	55	60	57	63	63	66	66	67	71	66	65	63	61	60	61	65	65	64	64	65	65	65	66	65	68	65	67	c62.1
Mountain Rest	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Newberry	Maximum	67	70	82	89	89	88	86	78	82	85	91	86	77	79	75	73	80	85	88	86	85	88	89	86	89	93	93	90	93	96	99	85.1
	Minimum	48	38	43	47	51	54	55	65	59	64	62	68	69	64	63	62	62	57	66	66	65	63	65	66	65	66	67	66	68	67	67	60.9
Saluda	Maximum	69	69	80	87	87	88	87	79	85	85	88	84	78	80	72	75	80	82	85	86	84	86	85	88	88	90	91	90	92	94	96	84.2
	Minimum	48	37	39	45	48	49	49	63	61	67	63	66	65	61	62	63	59	55	57	65	64	60	61	62	63	62	64	63	67	64	64	59.6
Santuck	Maximum	67	70	80	87	88	87	85	81	82	85	90	87	79	78	75	69	79	83	86	87	86	89	90	88	90	92	93	92	92	96	98	84.9
	Minimum	48	39	42	47	52	53	57	64	57	62	62	68	64	64	60	60	61	57	57	65	63	62	64	62	64	64	64	66	67	64	66	59.5
Spartanburg §§	Maximum	64	72	83	90	90	87	87	84	84	85	88	84	82	79	78	77	82	84	86	86	85	87	88	88	91	96	96	96	96	98	100	86.2
	Minimum	47	37	40	40	50	52	52	52	56	60	61	62	67	59	57	59	61	58	57	62	62	62	64	61	64	64	65	67	67	66	68	58.0
Trenton	Maximum	67	66	....	....	....	86	84	76	84	84	88	83	80	78	71	70	78	84	86	84	85	86	84	86	84	90	90	91	92	95	96	c83.1
	Minimum	49	43	.	....	....	56	59	63	61	66	65	66	67	63	60	60	65	60	60	64	64	62	69	65	65	64	69	66	68	64	64	c62.4
White Oak	Maximum	65	70	80	88	89	87	84	76	82	83	88	85	82	78	73	68	78	84	85	85	86	86	86	86	47	91	92	91	90	94	96	83.7
	Minimum	50	41	47	54	57	61	59	64	60	64	64	66	70	64	61	60	60	58	60	64	62	62	64	65	65	63	68	66	69	66	67	61.3
Winthrop College	Maximum	69	70	80	88	88	86	84	81	83	84	89	86	81	79	70	70	80	84	85	84	85	85	85	86	87	99	93	96	91	94	96	84.5
	Minimum	49	39	47	50	55	60	51	65	62	65	62	67	54	62	58	58	59	56	59	63	62	62	63	63	64	72	68	68	69	68	69	60.4

Reference letters, (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
0
0.5
1
2
4
6
8
M.G

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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

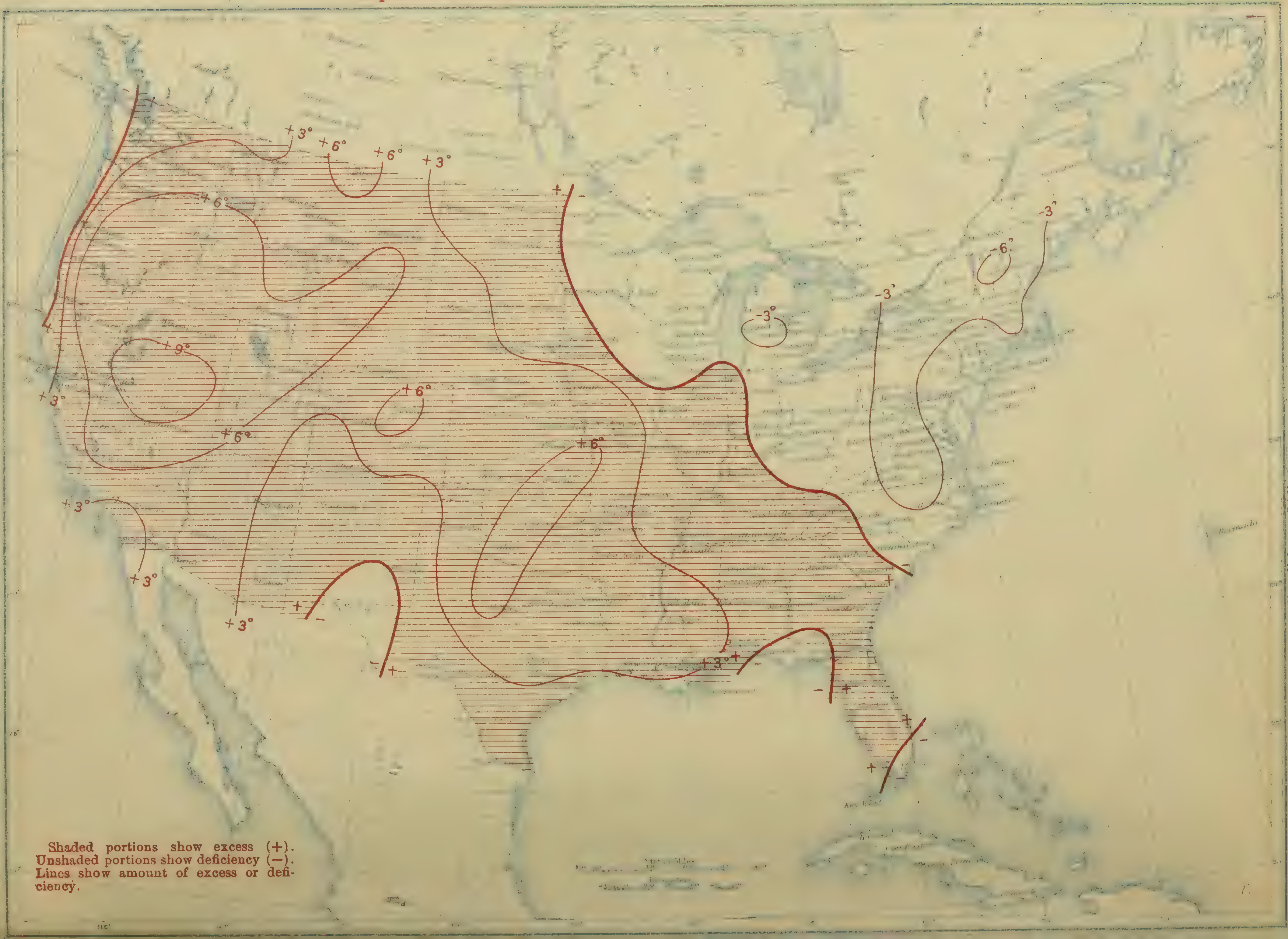
SOUTH CAROLINA SECTION

JUNE, 1918.

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
August 7, 1918

Departure of the Mean Temperature from the Normal, June, 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN. Meteorologist.

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GENERAL SUMMARY.

The month opened with excessive heat, followed by relatively seasonable temperatures after the first few days, and the mean was somewhat below normal. Precipitation was considerably below the seasonal average and was noticeably deficient after the first decade, particularly in the sections of the Piedmont and on the coastal plain.

The weather throughout the month was ideal for cotton, and the crop maintained good to excellent condition, except in some sections of the lower counties, where there had been insufficient rainfall, and in small areas of the upper counties, where there was too much rain. Chopping was finished about the middle of the month. The first bloom of the season was reported from a plantation near Allendale on June 8, and the crop was blooming freely throughout the State at the end of the month. Corn was in various stages of advancement incident to irregular rainfall, and rain was badly needed at the close of the month, when much of the early crop was laid by. Likewise, field truck, gardens, tobacco, and pastures showed the effects of insufficient and irregular rainfall. Tobacco began to ripen prematurely in some sections, but as a whole the crop improved slowly; curing became quite general in the more southern portion of the district toward the close of the month. The wheat, oat and rye harvests were practically finished about the 25th, and threshing results were generally good, although the wheat yield was disappointing, due to the appearance of rust at the crucial period. The white potato yield was good to excellent, but sweet potato transplanting was retarded by rather poor soil conditions. Stubble lands were being turned to late corn, late truck, and forage. The month closed with all crops, including cotton, in need of generous rains.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 29.95 inches. The highest pressure in the region covered by reports was 30.23 inches at Charlotte, N. C., on the 16th, and in the Section proper, 30.22 inches at Columbia on the same date; the lowest pressure was 29.52 inches at Greenville on the 12th.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 41 stations, was 77.0°, or 0.5° below the established normal. The highest temperature was 106° at Blackville, Barnwell County, on the 1st. The warmest period of the month was during the first three days, when 100° or higher was recorded throughout practically the entire state. The lowest temperature was 50° at Heath Spring, Lancaster County, on the 20th and at Landrum, Spartanburg County, on the 24th. The coolest period of the month was between the 23d and 25th.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 78%; 8 p. m., 69%. The highest percentages occurred over the central counties, and the lowest, over the extreme eastern and extreme southern coast districts.

PRECIPITATION.

The average for the Section, 55 stations reporting, was 3.44 inches, or 1.52 inches below the established normal. Seasonable rainfall occurred throughout the State during the period, 3d to 9th, followed by short alternating periods of dry weather and showers, the amounts being markedly deficient over the eastern portion, and particularly in the middle coast counties. The total monthly amounts were above normal in the upper parts of Greenville and Spartanburg Counties and in two small areas of the upper coastal plain, where the measurements ranged from 5 to over 7 inches; in a considerable area of the middle Piedmont and northeastern border counties and in a large area of the middle coastal plain the amounts were less than 3 inches and ranged downward to less than 1 inch in Charleston County. The greatest local monthly amount was 7.69 inches at Landrum, Spartanburg County; the least amount was 0.27 inch at Charleston. The greatest 24-hour amount at any station was 4.04 inches at Centenary, Marion County, on the 4th. The number of rainy days averaged 22% below the normal.

WIND.

The prevailing wind was from the northeast. The average hourly velocity, determined from 8 anemometer records, was 7.2 miles. The highest average velocity in the region covered by reports was 10.3 miles per hour at Charleston; the lowest average velocity was 4.6 miles per hour at Charlotte, N. C., and in the Section proper, 6.1 miles per hour at Columbia. The highest velocity for any 5-minute period was 50 miles per hour from the northwest at Savannah, Ga., on the 22d, and in the Section proper, 40 miles per hour from the west at Greenville on the 25th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 269.8 hours, or 63% of the possible amount. The average number of clear days was 15; partly cloudy, 9, and cloudy, 6, as against normals of 12, 11, and 7 days, respectively.

RIVER CONDITIONS.

The rivers of the Section were comparatively low throughout the month.

MISCELLANEOUS PHENOMENA. (dates).

Hail.—Ferguson, 3; Landrum, 3, 12; Rimini, 12.

Halos.—*Lunar:* Columbia, 24. *Solar:* Santuck, 9.

ERRATA—MAY, 1918.

Columbia, S. C.—Greatest precipitation in 24 hours, page 36, should be 0.53.

MISCELLANEOUS DATA FOR JUNE, 1918.

Stations.	Barometer, sea level.	Temperature, degrees Fahr. Mean.	Highest.	Lowest.	Precipitation, inches. Total.	Greatest 24 hours.	Wind. Average hourly velocity, miles.	Prevailing direction.	Mean relative humidity. 8 a. m.	8 p. m.	Percentage of possible sunshine.
Asheville, N. C....	29.96	69.6	90	48	6.53	2.18	6.8	nw.	82	71	47
Augusta, Ga.......	29.94	79.4	100	60	2.30	0.69	5.3	e.	79	66	63
Charleston, S. C...	29.95	78.6	97	68	0.27	0.15	10.3	s.	75	74	76
Charlotte, N. C...	29.95	75.2	98	56	2.43	1.06	4.6	ne.	79	63	57
Columbia, S. C....	29.95	78.3	101	62	3.48	0.86	6.1	ne.	79	60	60
Greenville, S. C...	29.94	74.8	95	58	5.96	1.46	7.2	ne.	78	69	60
Savannah, Ga.....	29.95	79.0	98	67	3.66	0.74	10.1	se.	79	75	68
Wilmington, N. C	29.96	74.6	96	58	3.22	1.76	7.0	sw.	76	73	71
Means and extremes......	29.95	76.2	101	48	3.43	2.18	7.2	ne.	78	69	63

Climatological Data for June, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	29	^{f}79.9	+0.9	^{e}103	2	^{f}62	20	^{f}33	4.43	−0.97	1.75	0	7	17	8	5	sw.	R. B. Vance.
Beaufort	Beaufort	21	31																	Miss Lillian H. Rice.
Blackville	Barnwell	296	29	78.0	−1.5	106	1	58	23	39	5.95	+0.33	1.85	0	7	10	10	9		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	17	77.5	−0.5	104	2	53	24	42	3.49	−2.25	1.24	0	7	19	7	4	w.	B. O. Evans.
Centenary	Marion	43	3	76.0		99	†1	54	24	36	5.56		4.04	0	6	8	19	3	sw.	D. L. Carmichael.
Charleston	Charleston	48	47	78.6	+0.1	97	15	68	19	21	0.27	−5.12	0.15	0	6	11	11	8	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	28	76.0	−1.4	101	2	51	†23	42	1.88	−3.28	1.38	0	4					Roland D. Powe.
Conway	Horry	25	32	75.8	−1.3	99	1	54	24	36	2.53	−2.54	0.90	0	5	15	0	15	se.	Paul Quattlebaum.
Darlington	Darlington	175	23																	D. C. McCall.
Edisto ‡‡	Bamberg	143	30								5.44	−1.15	2.48	0	6					Nathan Jenkins.
Effingham	Florence	106	25								2.05	−4.30	0.98	0	3					H. B. McCall.
Ferguson	Orangeburg	63	32	77.2	+0.1	101	2	53	24	40	2.70	−3.14	1.18	0	7	18	6	6	sw.	Henry C. Savage.
Florence 1	Florence	136	29	76.9	−1.8	102	2	56	24	36	3.18	−2.23	2.58	0	6	17	10	3	ne.	H. K. Gilbert.
Florence 2	do	136	3								3.43	−1.98	2.58	0	5	21	8	1	ne.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	23	78.0	−0.6	97	1	60	†10	32	1.70	−4.19	0.75	0	5	19	10	1	e.	A. P. Hazard.
Kingstree	Williamsburg	54	29	77.0	−1.1	100	2	52	24	40	1.82	−3.60	1.20	0	3	24	2	4	se.	W. H. Matthews.
Oaks	Georgetown		3	^{c}75.8		^{e}97	2	^{b}54	24	^{c}37	1.32		0.36	0	9	18	12	0	sw.	O. M. Mitchell.
Orangeburg	Orangeburg	264	2	78.0		102	†1	55	24	42	5.00		1.40	0	9	13	3	14		U. S. Fisheries Station.
Pinopolis **	Berkeley	54	68	73.8	−2.8	92	2	59	24		2.92	−3.01	1.10	0	5	15	3	12		Miss E. P. Ravenel.
Rimini	Clarendon	97	4								3.91		1.95	0	6					William B. Wolfe.
St. George	Dorchester	109	29	79.6	+1.0	103	2	57	24	39	1.44	−3.99	0.47	0	7	17	5	8	sw.	R. S. Weeks.
St. Matthews	Calhoun	62	22	77.7	−0.1	105	2	58	24	34	4.48	−1.49	1.45	0	6	14	15	1	s.	J. S. Wannamaker.
Society Hill	Darlington	192	26	^{a}77.0	−0.1	^{a}102	†2	52	24	^{a}39	1.47	−4.36	0.79	0	6	20	5	5	e.	A. H. Rogers.
Summerville	Dorchester	75	20	78.1	+0.7	101	2	58	24	34	3.42	−2.34	1.68	0	8	7	23	0	e.	Miss E. H. Gadsden.
Walterboro	Colleton	69	15	78.5	+0.1	102	2	57	26	37	2.90	−3.28	2.00	0	5	22	2	6		J. N. Frank.
Yemassee	Hampton	24	22	77.4	−1.2	101	2	56	24	35	3.06	−3.12	1.85	0	5	22	2	6	ne.	J. G. Hutson.
Division means and	extremes			77.3	−0.7	106	1	51	†23	42	3.10	−2.80	4.04	0	6	16	8	6	sw.	
Western Portion.																				
Aiken	Aiken	527	57	79.8	+2.2	101	2	63	24	32	2.88	−1.79	0.73	0	8	18	3	9	e.	Frank B. McCoy.
Anderson	Anderson	764	22	75.6	−0.8	98	1	56	23	37	3.78	−0.91	1.07	0	10	17	2	11	w.	H. H. Russell.
Batesburg	Lexington	656	29	76.6	−1.2	96	†1	59	24	31	3.86	−1.22	1.64	0	5	18	10	2	s.	E. J. Hite.
Blairs	Fairfield	293	15								2.67	−2.37	0.94	0	4					J. N. Owens.
Calhoun Falls	Abbeville	508	25			102	†1				5.14	+0.27	1.21	0	6	13	6	11	s.	L. M. Parker.
Camden	Kershaw	222	58			102	3				3.04	−1.47	1.43	0	5	16	12	2	ne.	W. C. Brown.
Catawba	York	562	14								3.24	−2.19	0.92	0	8					James C. Faris.
Chappells	Newberry	402	14								3.01	−1.27	0.70	0	7					J. J. Murrah.
Clemson College	Oconee	850	26	^{b}74.2	−1.6	^{a}93	†1	^{b}54	23	^{b}38	4.48	−0.46	0.98	0	7	17	11	2	w.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	31	78.3	+0.1	101	2	62	24	28	3.08	−1.10	0.86	0	7	9	10	11	ne.	U. S. Weather Bureau.
Edgefield	Edgefield		4								3.97		1.10	0	7					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	5								4.43	−0.84	1.01	0	9					Harry A. Parshall.
Greenville	Greenville	1039	25	74.8	+0.4	95	1	58	23	28	5.96	+0.75	1.46	0	11	10	9	11	ne.	U. S. Weather Bureau.
Greenwood	Greenwood	671	29	75.8	−2.0	98	2	57	24	34	3.62	−0.68	0.94	0	8	19	0	11	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	17	74.2	−2.9	100	1	50	20	36	2.73	−2.88	0.86	0	7	17	10	3	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	2	76.2		101	†1	51	24	40	2.61		1.40	0	8	22	0	8	e.	John W. Hamel.
Landrum	Spartanburg	1063	3	74.6		98	1	50	24	39	7.69		2.26	0	10	13	13	4		R. Hartwell Wilds, D.D.S
Laurens	Laurens	589		^{a}74.8		99	2	^{c}53	23	^{c}35	2.39		0.83	0	4					Perry A. Simpson.
Liberty	Pickens	900	19	77.0	+0.7	98	2	52	23	36	3.86	−1.54	1.50	0	8	9	18	3	e.	John T. Boggs.
Little Mountain	Newberry	711	25	79.1	+1.2	102	2	59	23	35	2.62	−1.99	0.83	0	7	18	2	10	e.	J. M. Sease, M. D.
Meriwether	McCormick	450	15	^{b}78.9	+1.4	^{a}104	2	^{b}56	25	^{b}41	4.80	+0.07	2.00	0	4					Mrs. Marie R. Middleton.
Monetta	Saluda	400	11	78.8	+1.6	100	2	61	†23	33	3.84	−1.84	1.01	0	7	7	21	2	ne.	Joseph M. Johnson.
Newberry	Newberry	502	15	78.6	+0.2	102	1	57	24	37	2.96	−1.40	0.85	0	8	6	19	5	sw.	Warren G. Peterson.
Pelzer	Anderson	850	14								2.86	−1.66	1.00	0	10					Joshua Y. Jones.
Saluda	Saluda	536	17	76.8	−1.2	100	†1	53	24	40	3.25	−1.77	0.91	0	8	23	5	2	w.	Mrs. F. V. J. Maxwell
Santuck	Union	512	25	77.2	+0.5	102	2	56	23	38	3.86	−0.37	0.74	0	9	10	14	6	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	35	76.1	0.0	101	1	54	23	33	3.44	−1.57	1.35	0	10					F. P. Robinson.
Trenton	Edgefield	620	19			^{b}97	15				4.46	−0.21	1.80	0	5	15	9	6	s.	Mrs. S. E. Long.
Walhalla	Oconee	1061	15								3.25	−1.95		0	12	9	16	5	sw.	H. W. Brandt.
White Oak	Fairfield	548	2	77.2	+0.5	99	1	58	23	36	4.10	−0.28	1.35	0	8	22	6	2	sw.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	76.4	+0.4	100	1	54	23	37	3.13	−2.25	1.50	0	5	10	18	2	s.	W. P. Goodman.
Division means and	extremes			76.7	−0.3	104	2	50	†20	41	3.70	−1.18	2.26	0	7	14	10	6	ne.	
Section means and	extremes			77.0	−0.5	106	1	50	†20	42	3.44	−1.52	4.04	0	7	15	9	6	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill.
T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for June, 1918.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale |||	Savannah					1.00	.50					.05	.40			1.75		.11									.62						4.43
Beaufort	Coast																																.....
Blackville |||	Edisto				1.20	.10	1.85	.85											1.50								.20				.25		5.95
Bowman	do				1.24	.66	.45	T.		.08			.06					.84									.16				T.		3.49
Centenary	Pee Dee			.06	4.04	T.	.06		.90									T.				.20				T.	.30				T.		5.56
Charleston ***	Coast				T.	.01	T.	.02	T.			.01				.15		T.					T.				.01				.07		0.27
Cheraw |||	Pee Dee				1.38		.11						.14									T.	.25				T.						1.88
Conway |||	Waccamaw				.34	.45		.90	.63										T.								.21						2.53
Darlington |||	Pee Dee																																.....
Edisto |||	Edisto				.80	.50	2.48	.24											1.21								.21						5.44
Effingham |||	Lynches				.98			T.	T.										.42								.65						2.05
Ferguson |||	Santee				1.18	.02	T.	.07	1.06		.02		T.						.15								.20						2.70
Florence 1 |||	Pee Dee				2.58		.15		.02										.24		.03					T.	.16						3.18
Florence 2 |||	do				2.58	.17		T.										.15			.35					.18							3.43
Georgetown	Coast			T.	T.			.25	.75							.35							.15			.20							1.70
Kingstree |||	Black				1.20				.47																		.15						1.82
Oaks	do				.36	.02		.01	.07							.34		T.			.16		.01			T.	.05				.30		1.32
Orangeburg	Edisto				1.40	1.00		.20	.55	.10			.35					.15	1.10								.15						5.00
Pinopolis	Cooper			.32				.92								.48		.20													1.00		2.92
Rimini |||	Santee				.40				1.95				.30				.33		.23			.10	T.		T.	T.	.63						3.94
St. George |||	Edisto				.09	.04	.30	.47									.06		.30								.18						1.44
St. Matthews |||	Santee				.25		.76	.05	1.30										1.45								.67						4.48
Society Hill |||	do				.79		.15												.22			.02	.04				.25						1.47
Summerville	Ashley				.41	.27	.44		T.			T.				T.	.08	.16	.06			T.	.32					T.			1.68		3.42
Walterboro	Ashepoo					2.00	.10	.50	.07			.23																					2.90
Yemassee |||	do				.22	T.	1.85	T.	T.				.53						.31								.15				T.		3.06
Western Portion.																																	
Aiken	Edisto				.34	.71		.21	.73				.07					.34	.05								.43						2.88
Anderson	Savannah			.95	.22		.48	.26					.12					.49				.15	.29					.46			.36		3.78
Batesburg |||	Edisto				1.64		T.	.62	.59			T.							.21				T.				.80						3.86
Blairs |||	Broad				.65			.22	.08					.18					.60								.94						2.67
Calhoun Falls |||	Savannah				T.	1.21	1.02	1.14	.20					T.					1.10				T.				.47						5.14
Camden |||	Wateree				1.43			.22											.60			.05	T.				.74						3.04
Catawba |||	Catawba				.20			.66	.06			.79							.92			.18	.23				.20						3.24
Chappells |||	Saluda				.37			.50	.70			.65							.50				.04				.25				T.		3.01
Clemson College	Savannah				.61	.37					.98							.52				.87								.31	.82		4.48
Columbia ***	Congaree			.78	T.		.75	.17										.86			.01	T.				.44				T.	.07		3.08
Edgefield |||	Savannah					.45	.90	.70	.32										.30								1.10				.20		3.97
Gaston Shoals |||	Broad				1.01	.08		.16	T.			.68					T.	T.	.49			.73	.67					.15			46		4.43
Greenville ***	Saluda			.15	.14		1.46	.87			.04		.02					.60			.14	1.04				.46				T.	1.04		5.96
Greenwood |||	do				.55				.93	.32			.15						.45				.08				.94				.20		3.62
Heath Spring	Wateree			.51			.13	.46										.86				.28				.32					.17		2.73
Kershaw |||	Lynches				1.40			.04	.13			.07							.61			.16	.11				.09						2.61
Landrum	Broad			.81	.16	.52	.41	.16					.27					.64				2.12				.34		T.			2.26		7.69
Laurens	Saluda			.83				T.										.76				.35				.45							2.39
Liberty	Savannah			.02	.15	T.		1.10					.02					.20			T	1.50								.02	.85		3.86
Little Mountain	Saluda			.83			.08	.30						.02			.30				T.					.65					.44		2.62
Meriwether	Savannah			T.	2.00	.40	1.48							T.												.92							4.80
Monetta	Edisto			1.12	T.	.37	.02	.25	.89									.18				T.					1.01						3.84
Newberry	Saluda			.16			.40	.30			T.	T.		.10				.53				.05					.57				.85		2.96
Pelzer |||	do				.70	.30		.12	.08			.06		T.					.54			.40	.46				.10				.10		2.86
Saluda	do			.91				.75	.15		.06							.41				.07					.70				.20		3.25
Santuck	Broad			.52	.06		.60	.59					.03					.41				.25				.74				T.	.66		3.86
Spartanburg |||	do				.42	.04		.33	.15			.12		.15					.65			.45	.90								.03		3.44
Trenton	Edisto				1.80	.89	T.											.49				T.				.20	1.28	T.					4.46
Walhalla	Savannah				.29		.85	.03			T.		.35					.66	.07	.01		.56				.09	.11			.10	.13		3.25
White Oak	Broad				.35		.14	.35	.02									1.15				.34					1.35				.40		4.14
Winthrop College	Catawba				.40		.25											1.50	.38			.60											3.13

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR JUNE.

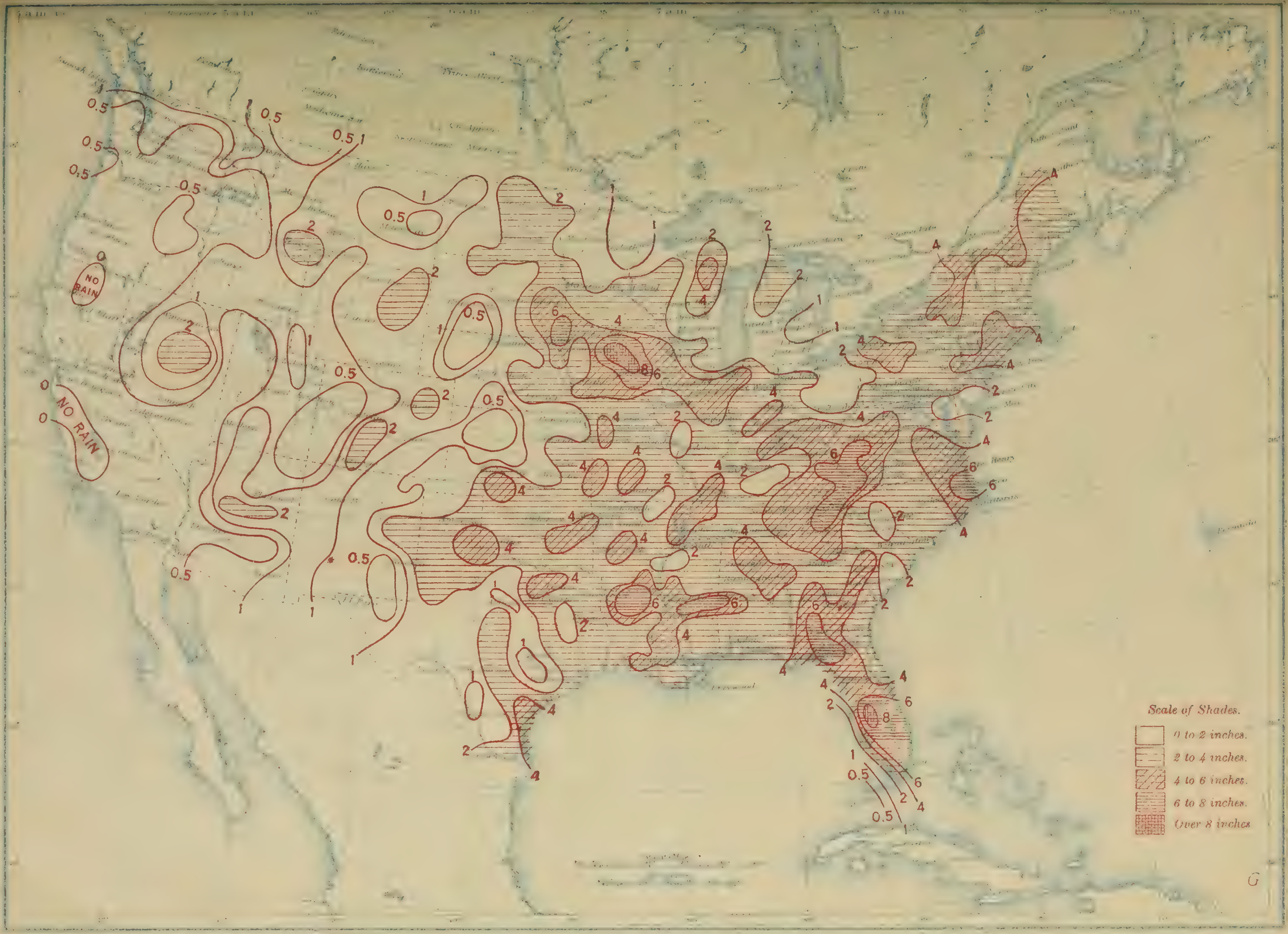
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	77.9	107	44	3.53	8				
1888	78.1	102	51	2.73	7				sw.
1889	74.4	99	39	5.10	10				se.
1890	80.9	103	56	2.41	8				sw.
1891	79.3			3.20					
1892	75.1	99	53	5.25					sw.
1893	76.5	96	53	7.64	12	10	11	9	se.
1894	77.0	105	41	3.91	8	13	12	5	sw.
1895	78.2	105	50	3.04	8	13	13	4	sw.
1896	77.9	102	52	5.42	12	11	12	7	sw.
1897	79.2	103	49	5.44	12	10	13	7	sw.
1898	79.7	105	55	4.15	8	17	10	3	sw.
1899	79.4	105	48	3.89	8	11	10	6	sw.
1900	76.2	97	52	7.94	14	4	15	11	sw.
1901	76.7	102	48	6.55	12	9	12	9	sw.
1902	78.5	105	52	4.48	9	15	10	5	sw.
1903	74.2	96	42	8.09	14	11	10	9	sw.
1904	77.0	102	48	4.06	8	18	7	5	sw.
1905	78.9	101	43	1.92	6	6	14	10	e.
1906	78.4	102	52	8.88	12	13	8	9	sw.
1907	75.8	99	50	5.92	10	12	13	5	sw.
1908	76.6	100	48	4.90	9	13	13	4	ne.
1909	79.2	105	58	6.87	12	10	14	6	sw.
1910	75.5	98	46	7.78	13	10	11	9	sw.
1911	80.9	106	54	3.42	8	14	12	4	sw.
1912	75.5	101	48	5.68	9	13	7	10	sw.
1913	76.2	105	40	5.53	12	15	9	6	sw.
1914	81.1	108	50	3.80	8	14	12	4	sw.
1915	76.0	103	49	4.26	9	14	10	6	s.
1916	76.4	100	48	5.12	11	12	11	7	sw.
1917	76.9	102	43	4.49	8	16	10	4	sw.
1918	77.0	106	50	3.44	7	15	9	6	ne.
Period	77.5	108	39	4.96	9	12	11	7	sw.

Daily Temperatures for June, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	102	103	99	87	88	90	92	82	85	88	91	94	92	....	98	96	80	....	....	....	....	95	86	91	93	90	89	91	91	97	....	[e]91.6
	Minimum	73	71	70	68	70	69	69	71	64	65	67	68	74	72	....	....	65	63	63	62	71	72	....	....	....	70	68	65	....	68	....	[f]68.2
Beaufort	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Blackville §	Maximum	106	105	102	90	87	87	91	82	84	88	91	94	91	95	98	100	70	86	88	86	86	95	75	93	94	90	85	90	94	93	....	90.5
	Minimum	67	70	69	67	67	67	68	68	60	60	64	66	68	68	68	65	66	65	61	62	66	68	58	65	59	69	67	63	63	67	....	65.4
Bowman	Maximum	100	104	100	84	86	88	90	84	82	88	90	93	92	92	98	93	85	88	90	85	86	96	87	95	93	88	87	90	92	95	....	90.7
	Minimum	65	66	67	65	68	66	67	65	59	61	62	63	66	65	65	68	66	63	60	64	65	69	61	53	70	68	63	60	62	68	....	64.3
Centenary	Maximum	99	99	93	82	86	86	88	75	80	84	89	92	84	91	92	87	76	86	87	85	83	92	82	90	88	84	76	87	88	90	....	86.5
	Minimum	70	68	67	67	68	69	71	67	61	62	62	68	69	63	71	67	65	59	62	69	66	70	62	54	66	69	66	61	63	66	....	65.6
Charleston	Maximum	91	87	85	82	83	83	86	80	79	81	85	88	87	83	97	82	80	80	82	82	82	94	84	84	92	89	82	80	83	84	....	84.6
	Minimum	73	75	75	72	72	73	74	72	69	65	71	71	75	74	76	76	74	69	68	71	73	75	69	68	78	74	68	70	75	77	....	72.5
Cheraw §§	Maximum	100	101	94	82	89	88	91	81	83	88	91	95	81	93	94	89	75	88	89	89	84	92	85	93	85	85	88	89	91	90	....	89.2
	Minimum	66	68	68	65	65	61	68	69	54	54	59	64	67	56	56	65	63	57	63	67	64	69	51	51	69	72	61	58	63	65	....	62.8
Conway §§	Maximum	99	98	90	82	86	86	92	77	83	84	88	92	87	87	91	86	78	84	86	84	83	94	86	90	83	88	77	86	88	87	....	86.7
	Minimum	69	69	72	69	67	68	70	69	61	60	61	65	72	63	67	66	65	58	60	67	66	69	61	54	59	74	65	59	62	64	....	65.0
Darlington §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ferguson §§	Maximum	98	101	96	84	97	86	92	85	82	87	89	93	93	91	93	93	76	86	88	83	85	95	82	93	90	96	84	88	90	92	....	89.4
	Minimum	69	67	68	68	69	66	70	69	64	62	64	68	69	64	73	70	65	60	60	66	67	67	60	53	64	64	64	60	62	64	....	65.1
Florence 1 §§	Maximum	101	102	94	80	88	87	90	79	82	87	91	93	86	93	91	90	73	87	89	86	83	92	81	92	83	91	83	89	93	93	....	88.4
	Minimum	70	72	72	66	67	69	70	70	61	60	63	69	71	64	67	66	66	61	60	68	66	67	59	56	59	69	65	61	62	66	....	65.4
Georgetown	Maximum	97	96	90	89	89	88	93	78	84	85	91	92	93	90	95	84	82	85	88	81	78	94	88	88	88	95	84	87	89	91	....	88.4
	Minimum	69	72	73	68	69	75	72	70	64	60	62	68	75	63	70	70	67	60	61	61	68	73	68	75	73	74	63	60	62	68	....	67.6
Kingstree §§	Maximum	98	100	95	82	89	89	92	79	85	88	91	93	88	92	95	88	78	85	88	87	83	95	86	92	86	89	82	88	93	92	....	88.9
	Minimum	67	69	71	67	69	67	70	70	61	62	61	65	70	64	67	68	66	59	61	66	68	68	62	52	54	72	65	59	61	66	....	65.0
Oaks	Maximum	96	97	93	91	83	86	80	78	82	86	....	94	85	89	95	86	78	85	86	86	....	85	84	91	88	88	78	....	90	90	....	[c]87.0
	Minimum	67	67	72	67	63	67	72	66	62	59	....	66	62	62	72	67	64	58	59	64	....	64	60	54	66	73	65	59	64	64	....	[b]64.5
Orangeburg §§	Maximum	102	102	100	85	86	87	91	80	83	87	89	94	88	93	96	90	72	86	88	85	84	98	87	97	98	90	86	92	94	99	....	90.3
	Minimum	66	64	67	67	68	67	68	68	58	63	64	65	68	66	76	69	65	63	64	66	67	69	62	55	70	70	66	61	64	72	....	65.7
St. George §§	Maximum	102	103	100	87	85	89	91	79	95	88	90	94	92	94	98	91	77	86	88	88	90	95	87	96	95	87	85	90	92	94	....	90.6
	Minimum	70	71	73	70	70	69	71	71	64	65	62	67	71	70	75	72	69	65	62	68	68	73	66	57	76	73	68	63	67	73	....	68.6
St. Matthews §§	Maximum	103	105	100	86	89	88	92	77	83	86	91	94	89	95	96	90	71	84	86	83	81	94	85	92	89	88	81	87	91	96	....	90.0
	Minimum	69	71	73	67	68	68	68	70	60	65	65	68	70	66	69	66	65	63	63	67	67	67	60	58	68	70	64	62	65	70	....	66.1
Society Hill §§	Maximum	102	102	....	93	87	87	92	77	81	87	90	95	87	93	94	89	72	88	89	87	82	94	87	94	87	87	84	90	93	95	....	[a]89.1
	Minimum	68	70	73	66	66	68	71	69	56	60	65	68	69	59	64	65	65	58	64	68	64	67	55	52	69	72	62	69	63	64	....	65.0
Summerville	Maximum	98	101	94	85	88	84	89	82	84	85	87	91	91	90	96	89	79	85	89	88	88	95	87	91	92	90	91	86	91	89	....	89.2
	Minimum	67	69	71	69	69	68	71	70	64	63	63	64	72	69	72	71	67	61	61	66	66	70	64	58	71	71	65	62	65	70	....	67.0
Walterboro	Maximum	100	102	100	95	98	90	83	84	85	85	81	84	85	92	91	92	91	85	84	90	91	97	95	92	94	89	90	91	93	94	....	90.9
	Minimum	69	72	73	71	71	70	67	68	64	63	62	70	71	71	73	65	69	65	68	65	68	62	60	61	62	57	66	61	62	68	....	66.1
Yemassee §§	Maximum	99	101	95	90	84	86	96	82	85	87	88	92	91	89	99	88	76	84	88	87	89	95	88	91	92	91	82	88	88	94	....	89.3
	Minimum	67	67	70	68	70	67	68	69	62	61	63	66	67	69	70	70	66	62	60	62	66	68	64	56	58	70	66	62	64	66	....	65.5
Western Portion.																																	
Aiken	Maximum	103	101	99	91	85	86	88	88	81	86	89	93	93	92	98	97	90	83	86	86	84	95	94	93	93	91	89	87	89	94	....	90.7
	Minimum	70	72	70	67	65	69	68	70	68	69	65	68	73	67	73	73	68	66	64	70	69	74	68	63	67	72	67	66	68	74	....	68.9
Anderson	Maximum	98	97	92	77	85	84	87	78	78	88	89	92	87	90	95	90	88	86	85	76	70	87	85	89	90	88	85	86	88	89	....	86.6
	Minimum	67	68	60	64	67	65	66	67	62	64	64	62	64	62	70	69	65	67	68	66	59	64	56	59	59	68	65	66	68	66	....	64.6
Batesburg §§	Maximum	96	96	94	81	81	85	87	78	80	88	89	92	87	91	91	90	72	85	85	81	75	90	85	90	91	86	84	86	90	90	....	86.7
	Minimum	69	74	72	66	65	67	67	69	62	64	67	69	69	65	68	69	68	64	64	67	68	67	61	59	66	70	65	62	65	67	....	66.5
Calhoun Falls §§	Maximum	102	102	98	85	87	85	92	84	83	92	94	97	92	96	101	94	93	87	89	83	75	94	90	94	95	93	89	89	91	96	....	91.4
	Minimum	66	70	69	67	66	69	68	68	62	63	56	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Camden §§	Maximum	100	102	98	86	87	85	92	86	87	99	93	88	88	97	96	91	85	86	86	85	80	92	87	91	88	86	84	87	91	92	....	90.2
	Minimum	71	72	72	68	69	70	72	71	60	75	66	69	71	73	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clemson College	Maximum	93	93	88	76	82	81	82	79	86	84	85	88	86	86	90	91	89	79	80	81	....	79	80	84	86	86	81	82	83	86	....	[a]84.3
	Minimum	55	58	61	57	58	59	58	61	66	70	64	64	66	59	72	....	....	70	72	68	63	62	54	58	70	69	68	70	71	75	....	[b]62.2
Columbia	Maximum	100	101	95	84	87	85	89	79	83	84	92	94	88	93	96	90	74	85	85	82	76	92	85	90	89	87	82	85	89	92	....	87.8
	Minimum	72	75	69	68	70	69	68	69	63	70	69	71	71	68	74	69	64	66	68	70	67	72	63	62	72	71	67	67	70	71	....	68.8
Greenville	Maximum	97	93	88	79	82	78	83	77	77	86	87	90	84	88	93	88	84	80	84	73	65	84	81	85	86	84	79	82	81	85	....	83.4
	Minimum	68	71	65	65	67	67	67	68	65	67	64	68	66	60	74	68	66	68	69	62	59	64	58	63	70	68	66	68	69	65	....	66.2
Greenwood §§	Maximum	97	98	94	79	83	84	86	78	78	86	87	93	86	90	95	89	80	80	85	79	69	89	84	89	90	87	80	84	88	89	....	85.9
	Minimum	68	71	71	65	65	67	67	68	61	64	65	66	67	60	61	70	70	67	65	65	64	64	59	57	61	70	67	66	67	69	....	65.6
Heath Spring	Maximum	100	99	92	85	83	86	87	88	84	85	87	95	86	89	93	87	85	84	86	80	82	84	87	82	80	79	78	80	85	90	....	86.2
	Minimum	71	73	71	64	65	66	67	68	60	62	64	67	68	60	72	65	60	60	54	50	60	65	65	56	60	50	54	56	60	54	....	62.2
Kershaw §	Maximum	101	101	94	81	87	88	90	78	86	88	91	95	87	93	96	91	71	86	89	85	73	88	83	91	86	89	85	87	92	92	....	88.1
	Minimum	70	70	71	65	66	67	68	69	56	63	65	63	67	69	66	65	66	61	62	67	62	62	54	51	64	71	63	60	66	68	....	64.2
Landrum	Maximum	98	97	91	84	80	83	85	80	84	84	91	93	85	90	94	91	81	80	82	74	67	82	83	85	85	87	80	85	82	86	....	85.2
	Minimum	76	72	65	63	63	64	69	65	65	58	61	63	65	55	72	66	66	67	68	65	58	63	53	56	64	68	64	65	63	68	....	64.1
Laurens §§	Maximum	98	99	95	79	85	87	90	80	81	89	90	95	91	86	95	91	83	83	87	79	79	88	83	89	91	86	85	85	90	90	....	84.6
	Minimum	64	72	70	67	67	69	70	71	....	63	66	68	64	62	60	68	66	....	62	63	59	59	53	60	60	....	....	72	72	....	....	[e]65.1
Liberty	Maximum	97	98	91	82	87	86	89	81	80	88	91	93	87	93	96	94	89	80	88	76	77	86	86	88	90	88	87	86	81	89	....	87.5
	Minimum	68	68	71	66	68	67	69	68	65	66	64	68	65	65	60	70	71	71	72	68	60	65	52	56	70	71	63	69	68	74	....	66.6
Little Mountain	Maximum	101	102	96	84	86	85	90	85	82	86	90	93	88	92	95	86	85	85	85	87	90	94	88	90	95	95	94	94	93	92	....	90.3
	Minimum	70	74	69	65	66	67	72	69	60	66	76	69	68	64	75	66	67	66	65	68	70	66	59	74	75	70	65	65	65	65	....	67.9
Meriwether	Maximum	103	104	100	90	91	90	93	84	85	89	[illegible]	99	94	98	100	94	85	89	90	88	80	95	96	96	97	96	94	95	....	95	....	[a]93.3
	Minimum	68	67	68	65	61	60	61	70	60	65	68	68	62	63	64	70	67	66	61	67	68	....	65	61	56	59	64	68	....	65	....	[b]61.5
Monetta	Maximum	99	100	97	81	84	88	88	85	84	87	92	94	93	94	98	92	88	85	87	84	78	94	88	94	93	87	81	87	91	92	....	89.7
	Minimum	70	71	[illegible]	66	70	68	68	70	62	65	66	69	70	67	73	71	68	66	64	70	68	71	61	61	74	71	67	65	67	73	....	68.0
Newberry	Maximum	102	101	97	81	89	87	90	82	83	88	91	96	92	95	99	93	83	86	88	81	84	95	89	94	92	90	84	89	92	93	....	90.3
	Minimum	70	69	69	66	68	68	69	70	59	67	67	69	66	61	73	68	69	67	63	69	66	68	58	57	74	71	66	64	67	73	....	67.0
Saluda	Maximum	100	100	98	84	85	87	90	80	82	90	80	94	88	93	94	90	82	85	86	86	79	83	87	93	93	90	84	87	90	93	....	88.4
	Minimum	71	65	65	65	69	66	67	69	59	64	65	69	67	58	71	70	68	65	66	61	63	63	55	53	72	69	66	62	63	71	....	65.2
Santuck	Maximum	101	102	94	85	89	90	97	80	82	90	93	96	88	91	96	94	83	87	86	76	73	89	85	92	93	87	84	90	92	91	....	89.3
	Minimum	68	69	67	65	68	67	66	68	59	65	63	68	65	58	70	67	68	66	61	67	61	66	56	57	72	69	64	64	65	68	....	65.2
Spartanburg §§	Maximum	101	100	94	81	88	85	89	81	82	89	92	96	88	94	97	93	81	84	86	76	68	85	86	89	90	89	82	88	86	87	....	87.6
	Minimum	67	68	71	66	66	66	67	65	61	66	64	65	64	59	67	68	70	67	66	66	60	59	54	56	60	68	64	66	65	68	....	64.6
Trenton	Maximum	....	....	84	87	85	88	86	80	82	86	89	92	92	92	97	91	74	76	87	82	77	92	92	92	91	87	81	85	89	89	....	[b]86.6
	Minimum	....	....	53	53	52	59	53	53	45	56	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
White Oak	Maximum	99	92	94	79	87	88	90	80	81	88	93	94	88	93	96	92	87	85	85	84	78	88	84	90	88	85	83	86	88	89	....	87.8
	Minimum	70	72	72	65	67	66	68	69	59	65	65	68	68	60	73	67	65	64	65	76	62	67	58	60	73	70	63	63	69	66	....	66.5
Winthrop College	Maximum	100	99	97	86	89	86	73	80	80	82	92	96	90	93	95	91	89	85	85	79	76	81	86	89	87	86	84	86	91	90	....	87.4
	Minimum	71	71	71	65	66	62	67	65	59	62	64	67	66	58	70	69	63	66	66	66	66	62	54	58	71	69	64	64	67	73	....	65.4

Reference letters, ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
NO RAIN
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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

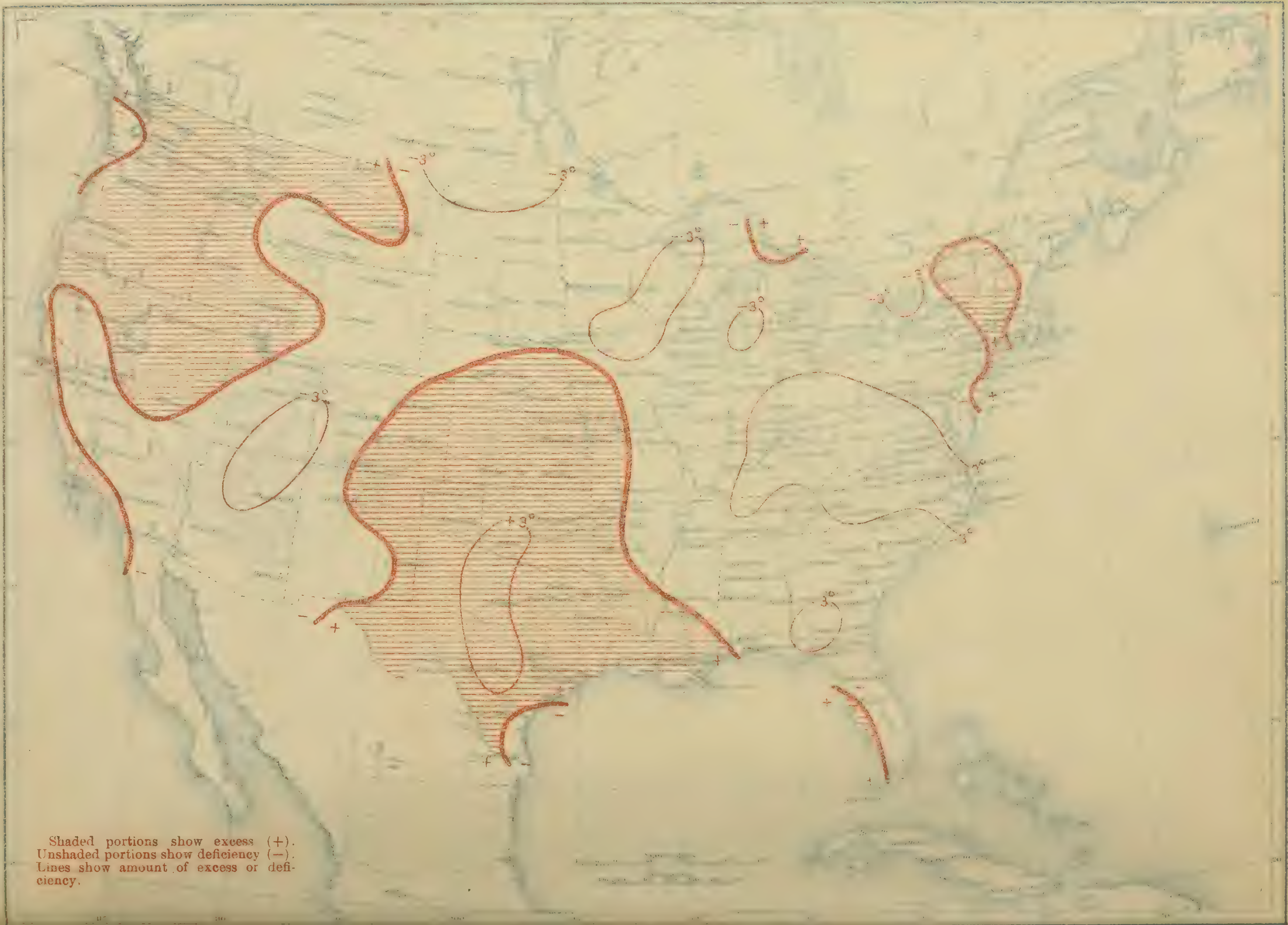
SOUTH CAROLINA SECTION

JULY, 1918.

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
September 7, 1918

Departure of the Mean Temperature from the Normal, July, 1916



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN. Meteorologist.

VOL. XXI. COLUMBIA, S. C., JULY, 1918. No. 7.

GENERAL SUMMARY.

July, 1918, was the coolest of record by 0.2°. The weather was unusually dry during the first half, followed by intermittent showers during the last half, which broke the drought that had been prolonged from June, the month closing with copious rains.

Corn, field truck, gardens, tobacco, forage, and pastures suffered materially on account of lack of rain until about the middle of the month, when all vegetation was greatly revived by timely showers of varying amounts. Early and upland corn and field and garden vegetables were most vitally affected by the drought, and considerable old corn was beyond recovery when the rains began. All other crops responded to the showers and, at the close of the month, were in vigorous condition. Tobacco ripened slowly under cloudy weather during the latter part of the month, however, with fair to good curing results. Cotton maintained good to excellent condition and fruited well throughout the month. In fact, the general crop, while rather small in plant for the season, was the most promising since 1911. While sweet potato transplanting and other late summer and early fall operations were retarded by dry weather, the month closed with the soil in good condition and such work proceeding satisfactorily.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 30.02 inches. The highest pressure in the region covered by reports was 30.31 inches at Asheville, N. C., on the 4th, and in the Section proper, 30.25 inches at Columbia on the same date and at Greenville on the 22d; the lowest pressure was 29.76 inches at Asheville, N. C., on the 18th and at Greenville on the 10th.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 40 stations, was 77.5°, or 2.3° below the established normal, and 0.2° below the average for any previous July. The highest temperature was 103° at Little Mountain, Newberry County, on the 6th. The warmest period was generally between the 5th and 7th. The lowest temperature was 50° at Santuck, Union County, on the 8th. The coolest periods of the month were between the 2d and 4th and on the 13th and 14th.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 80%; 8 p. m., 68%. The highest percentages occurred over the northeastern and northwestern counties, and the lowest, in the interior.

PRECIPITATION.

The average for the Section, 54 stations reporting, was 5.02 inches, or 0.80 inch below the established normal. There were but two short periods of light rainfall during the first half of the month, while the last half was generally showery over the Piedmont Counties, with two marked periods of wet weather over the eastern half of the state. The total amounts were very unevenly distributed, there being a broad belt in the central and northern counties where the measurements were less than 5 inches, and ranged downward to less than 2 inches in portions of Richland, Edgefield, and Lexington Counties; over the middle-western Piedmont and a considerable area of the coastal plain the amounts were above 6 inches and ranged upward to more than 9 inches. The greatest local monthly amount was 9.70 inches at Bowman, Orangeburg County; the least amount was 1.15 inches at Columbia, being the lowest Columbia July record by 1.15 inches. The greatest amount during any 24 hours at any station was 4.21 inches at Calhoun Falls, Abbeville County, on the 23d. The average number of rainy days was normal.

Small hail occurred for a few minutes at Charleston on the 8th.

Deaths by lightning during the month: Walter I. Franklin, a soldier of the 324th Infantry, 81st Division, near Camp Sevier, on July 9th.

WIND.

The prevailing wind was from the southwest. The average hourly velocity, determined from 8 anemometer records, was 6.1 miles. The highest average velocity in the region covered by reports was 8.7 miles per hour at Charleston; lowest average, 4.0 miles per hour at Charlotte, N. C., and in the Section proper, 5.5 miles per hour at Columbia. The highest velocity for any 5-minute period was 37 miles per hour from the west at Augusta, Ga., on the 8th, and in the Section proper, 32 miles per hour from the northwest at Charleston on the same date.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 262.0 hours, or 59% of the possible amount. The average number of clear days was 15; partly cloudy, 9, and cloudy, 7, as against normals of 12, 12, and 7 days, respectively.

RIVER CONDITIONS.

On account of general lack of heavy rains, the rivers of the Section were uniformly low throughout the month.

MISCELLANEOUS PHENOMENA. (dates).

Fog, Dense.—Centenary, 10; Gaston Shoals, 25; Kingstree, 10; Newberry, 28, 29; 30; Rimini, 11, 21, 28, 30; Yemassee, 10, 21.

Halos.—Lunar: Walhalla, 17, *Solar:* Columbia, 26.

MISCELLANEOUS DATA FOR JULY, 1918.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.05	68.9	87	51	2.74	0.88	5.3	nw.	87	70	49
Augusta, Ga.......	30.01	79.3	99	61	3.84	1.82	4.6	nw	80	72	56
Charleston, S. C...	30.02	79.4	100	64	7.69	2.75	8.7	s.	74	75	72
Charlotte, N. C ...	30.02	76.0	96	56	1.90	0.58	4.0	n.	80	64	51
Columbia, S. C....	30.02	78.9	98	60	1.15	0.59	5.5	ne.	77	59	46
Greenville, S. C...	30.01	75.2	92	60	2.14	0.97	6.4	ne.	78	65	67
Savannah, Ga.....	30.02	79.0	98	63	8.94	3.74	8.5	sw.	81	68	58
Wilmington, N. C.	30.01	76.6	96	58	6.41	2.34	6.0	sw	80	75	76
Means and extremes......	30.02	76.7	100	51	4.35	3.74	6.1	ne.*	80	68	59

*Also sw. and nw.

Climatological Data for July, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit on 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	29	80.0	−3.8	99	5	59	†4	36	3.78	−1.57	1.70	0	8	8	20	3	w.	R. B. Vance.
Beaufort	Beaufort	21	31																	Miss Lillian H. Rice.
Blackville	Barnwell	296	29	78.9	−2.8	101	5	57	13	40	3.50	−1.82	1.55	0	8	20	4	7		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	17	77.2	−3.2	99	†5	55	†4	44	9.70	+4.16	2.12	0	12	21	7	3	sw.	B. O. Evans.
Centenary	Marion	43	3	78.0		99	6	56	14	37	4.56		1.31	0	11	9	11	11	sw.	D. L. Carmichael.
Charleston	Charleston	48	47	79.4	−1.9	100	7	64	13	25	7.69	+0.43	2.75	0	13	11	9	11	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	28	77.4	−2.8	100	6	52	13	38	4.30	−1.52	1.43	0	8					Roland D. Powe.
Conway	Horry	25	32	77.8	−2.3	99	†6	57	4	37	5.11	−1.38	1.33	0	12	14	0	17	nw.	Paul Quattlebaum.
Darlington	Darlington	175	23																	D. C. McCall.
Edisto ‡‡	Bamberg	143	30								7.16	+1.52	2.30	0	11					Nathan Jenkins.
Effingham	Florence	106	25								5.93	+1.45	0.90	0	12					H. B. McCall.
Ferguson	Orangeburg	63	32	77.8	−1.6	98	†6	57	5	41	5.46	−0.46	1.48	0	11	10	11	10	sw.	Henry C. Savage.
Florence 1	Florence	136	29	78.6	−2.8	99	5	57	13	36	4.95	−0.45	0.79	0	12	17	8	6	sw.	H. K. Gilbert.
Florence 2	do	136	3								6.75	+1.35	1.80	0	10	20	8	3	w.	Pee Dee Experiment Sta.
Georgetown	Georgetown	12	23	79.8	−0.8	102	7	59	†13	36	8.32	+1.37	2.10	0	13	9	22	0		A. P. Hazard.
Kingstree	Williamsburg	54	29	78.2	−2.2	100	6	56	14	37	5.26	−0.44	2.03	0	12	19	4	8	nw.	W. H. Matthews.
Oaks	Georgetown		3	^{b}77.2		^{b}98	†6	57	†4	^{b}36	7.15		1.70	0	15	20	6	5	sw.	O. M. Mitchell.
Orangeburg	Orangeburg	264	2	^{d}77.6				54	14		6.11		1.30	0	8	20	0	11		U. S. Fisheries Station.
Pinopolis **	Berkeley	54	68	74.7	−3.7	94	7	58	12		8.91	+2.63	2.00	0	10	17	6	8	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	4								5.75		2.05	0	11					William B. Wolfe.
St. George	Dorchester	109	29	79.8	−1.0	101	†5	60	†4	36	5.28	−0.73	1.44	0	13	16	6	9	ne.	R. S. Weeks.
St. Matthews	Calhoun	62	22	77.9	−2.3	102	6	56	13	37	6.95	+1.54	1.90	0	10	14	14	3	se.	J. S. Wannamaker.
Society Hill	Darlington	192	26	78.4	−1.1	102	†6	55	13	40	3.13	−3.06	0.92	0	10	19	5	7	s.	A. H. Rogers.
Summerville	Dorchester	75	20	78.0	−1.9	99	7	59	†4	37	8.56	+2.54	1.90	0	12	8	23	0	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	15	^{a}77.6	−2.5	^{a}102	7	^{a}54	9	^{a}41	4.96	−2.38	1.43	0	10	19	2	10		J. N. Frank.
Yemassee	Hampton	24	22	77.6	−3.6	99	†6	56	4	40	4.13	−2.62	1.03	0	9	21	2	8	w.	J. G. Hutson.
Division means and	extremes			78.1	−2.2	102	†6	52	13	44	5.88	+0.02	2.75	0	11	15	8	8	sw.	
Western Portion.																				
Aiken	Aiken	527	57	79.6	−0.6	100	†6	59	13	32	4.33	−0.37	1.41	0	13	23	2	6	sw.	Frank B. McCoy.
Anderson	Anderson	764	22	76.0	−3.9	97	†5	55	13	37	6.41	+0.88	1.11	0	12	21	0	10	w.	H. H. Russell.
Batesburg	Lexington	656	29	77.4	−0.6	97	6	57	13	31	1.99	−3.44	0.48	0	8	22	4	5	s.	E. J. Hite.
Blairs	Fairfield	293	15								3.18	−1.92	1.46	0	9					J. N. Owens.
Calhoun Falls	Abbeville	508	25	78.9		102	6	58	13	39	7.06	−2.32	4.21	0	8	16	7	6	s.	L. M. Parker.
Camden	Kershaw	222	58			99	7				3.28	−1.80	0.70	0	9	19	6	6	ne.	W. C. Brown.
Catawba	York	562	14								4.74	−1.00	2.00	0	12					James C. Faris.
Chappells	Newberry	402	14								6.06	−1.79	1.39	0	14					J. J. Murran.
Clemson College	Oconee	850	26	74.7	−3.1	92	6	55	13	32	6.48	+1.25	2.05	0	8	21	3	7	w.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	31	78.9	−2.2	98	6	60	13	30	1.15	−4.91	0.59	0	10	9	10	12	ne.	U S. Weather Bureau.
Edgefield	Edgefield		4								1.45		0.75	0	3					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	5								4.98	−3.00	0.96	0	13					Harry A. Parshall.
Greenville	Greenville	1039	25	75.2	−1.8	92	6	60	13	27	2.14	−3.28	0.97	0	15	12	11	8	ne.	U. S. Weather Bureau.
Greenwood	Greenwood	671	29	76.3	−3.7	98	6	56	13	31	4.50	−0.59	1.25	0	8	17	0	11	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	17	^{j}76.4	−4.0	99	6	^{j}58	13	^{j}30	2.19	−2.06	0.77	0	8	4	17	10	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	2	77.2		99	†5	53	13	38	2.85		0.63	0	10	27	0	4	e.	John W. Hamel.
Landrum	Spartanburg	1063	3	74.3		94	5	52	3	39	4.72		1.16	0	13	15	9	7		R. Hartwell Wilds, D.D.S
Laurens	Laurens	589				98	7				7.34		1.50	0	11					Perry A. Simpson.
Liberty	Pickens	900	19	76.4	−2.8	95	5	55	13	35	6.82	+1.02	2.50	0	11	10	17	4	sw.	John T. Boggs.
Little Mountain	Newberry	711	25	79.6	−0.8	103	6	59	14	35	3.30	−1.44	1.28	0	5	19	6	6	s.	J. M. Sease, M. D.
Meriwether	McCormick	450	15			100	6													Mrs. Marie R. Middleton.
Monetta	Saluda	400	11	78.6	−1.1	99	6	60	13	36	5.24	+0.88	1.96	0	12	3	25	3	w.	Joseph M. Johnson.
Newberry	Newberry	502	15	78.8	−2.0	102	6	55	13	41	3.61	−0.83	0.78	0	12	8	15	8	s.	Warren G. Peterson.
Pelzer	Anderson	850	14								5.36	+0.06	1.60	0	13					Joshua Y. Jones.
Saluda	Saluda	536	17	77.8	−2.7	101	6	51	13	45	4.27	+0.06	1.47	0	11	20	7	4	s.	Mrs. F. V. J. Maxwell
Santuck	Union	512	25	77.0	−2.6	100	5	50	8	41	5.73	+0.78	1.11	0	16	15	12	4	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	35	76.6	−2.7	97	5	51	2	35	4.50	−0.25	1.40	0	13	10	0	21		F. P. Robinson.
Trenton	Edgefield	620	19			^{c}98	5				3.41	−2.24	1.20	0	7	15	16	0	sw.	Mrs. S. E. Long.
Walhalla	Oconee	1061	15								4.06	−1.90	0.74	0	16	11	16	4	sw.	H. W. Brandt.
White Oak	Fairfield	548	2	77.3	−2.3	97	5	58	13	31	2.93	−1.99	0.75	0	9	23	5	3	sw.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	77.2	−2.7	99	5	54	13	35	5.71	+0.82	1.63	0	10	11	18	2	s.	W. P. Goodman.
Division means and	extremes			77.0	−2.4	103	6	50	8	45	4.33	−0.05	4.21	0	11	15	9	7	sw.	
Section means and	extremes			77.5	−2.3	103	6	50	8	45	5.02	−0.80	4.21	0	11	15	9	7	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Gaffney; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for July, 1918.

Stations.	Watersheds.	Day of month.																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ‖‖	Savannah	.11								1.70									.25	.05	.90	.20								.15		.22	3.78
Beaufort	Coast																																
Blackville ‖‖	Edisto									1.20									.25	1.55	.10		.15		.05					.10		.10	3.50
Bowman	do	.80							.76	.52								1.05	1.70	1.06	2.12		.04					.47	.03	.87	.28	T.	9.70
Centenary	Pee Dee						T		T.	.18			.10					.28	.67	.22	.41	T.	T.				.16	.22	.31	.22	.48	1.31	4.56
Charleston ***	Coast	.31							2.30	.39	T.							.03	.25	2.70	.08	.01						.04	.24	.31	.47	.56	7.69
Cheraw ‖‖	Pee Dee	1.43								.13								.48	.14	.87	.20		.04	.18				.30			.53		4.30
Conway ‖‖	Waccamaw	.02								.92				.12				.12	T.	.12	1.11	.22	.07	T.				.06		.14	1.30	.91	5.11
Darlington ‖‖	Pee Dee																																
Edisto ‖‖	Edisto	.82								1.74								.20	.18	.48	2.30	.13							.46	.09	.14	.62	7.16
Effingham ‖‖	Lynches	.36								.28				T.				.85		.90	.65	.10	.12	.83					.06	.15	.78	.85	5.93
Ferguson ‖‖	Santee	.34							.10	1.38								.08	.17	.30	1.34	.34		.06				.24	.12		T.	.99	5.46
Florence 1 ‖‖	Pee Dee	.33						.17		.18			.10	.04				.17		.66	.71		.75						.30		.79	.75	4.95
Florence 2 ‖‖	do	.38						.30										.35		1.80	.35	.10	T.				T		.25	.30	1.52	1.40	6.75
Georgetown	Coast	T.							.75	.55	.20	.20						.20	.35	.20	1.05	.75					T.	2.10	T.	.42	.70	.85	8.32
Kingstree ‖‖	Black	.45								.60								.05	.45	.38	1.65	.51						.26	.09	.12	.17	.53	5.26
Oaks	do	.41							.46	.09								.15	.80	1.70	1.40	.02	.21				.78	.10	.02	.14	.19	.68	7.15
Orangeburg	Edisto									1.10									.55	1.30	.80								.40	.70	.56	.70	6.11
Pinopolis	Cooper								1.08									.25	.70	1.20							.70	2.00	.90	.73	.35	1.00	8.91
Rimini ‖‖	Santee	.70								2.05								.09	.39	.68	.30							.25	.06	.36	.34	.59	5.75
St. George ‖‖	Edisto	.65							.01	1.44								.09	.69	.26	.35	.03		.33				.02	.06		.40	.95	5.28
St. Matthews ‖‖	Santee	.05								1.25								.15	.32	.60	.60	.58		1.90							.56	.94	6.95
Society Hill ‖‖	do	.38								.06				.22				.92		.10	.37		.08						.09		.45	.46	3.13
Summerville	Ashley	.18							1.63	1.90								T.	1.24	.12	.11	.02					1.03	1.33	T.	.38	.25	.37	8.56
Walterboro	Ashepoo	.65							.47	1.43									.20	.06	.17						.03	1.12	.22			.61	4.96
Yemassee ‖‖	do	.98								1.03								.06	T.		.05	.48			.31			.80	.01			.41	4,13
Western Portion.																																	
Aiken	Edisto								.11	.55								.03	.05	1.41	.24	.13		.05	.94	.13		.39			.17	.13	4.33
Anderson	Savannah	.20									.02								15	.55	1.10	.68		1.28		.08		.87	.29	.08	1.11		6.41
Batesburg ‖‖	Edisto	T.								.38							T.	.15	.19	.09	.48	.15			.26	.29			T.		T.		1.99
Blairs ‖‖	Broad	1.46																		.64	.33	.34	.18		.08	.06				.04		.05	3.18
Calhoun Falls ‖‖	Savannah									.06										.47	1.52				4.21		.29		.22		.11	.18	7.06
Camden ‖‖	Wateree	.54								.08								.30		.58	.15	.19			.70	.40				.34			3.28
Catawba ‖‖	Catawba	.08								.51								.30	.16	.11	.28			.30	.15	2.00			.40	.15		.30	4.74
Chappells ‖‖	Saluda	.17								.03							T.			.20	.78	.13		.33	1.39	.82	.37	.08	.68	.67	.05	.26	6.06
Clemson College	Savannah							T.									T.		.72	.22		2.05		.58	1.72	T.	T.	.86	T.		.23	.10	6.48
Columbia ***	Congaree								.11							.01	.01	.01	T.	.59	T.	.09	T.	.03	.19			.03	T.	T.	T.	.08	1.15
Edgefield ‖‖	Savannah								.22										.48	.75							T.		T.				1.45
Gaston Shoals ‖‖	Broad	.66							T	.45		T.			T.			.22	.01	.04			.65		.05		.45	.06	.96	.56	.50	.37	4.98
Greenville ***	Saluda							.01	.07	.01								T.	.02	.04		.97		.05	.25	.11	.02	.18	.17	.94	.08	.12	2.14
Greenwood ‖‖	do	.05								T.							.24			.25	.71	.14			.08	1.17		.07			.54	1.25	4.50
Heath Spring	Wateree								.17		.03						.32		.30	.77				.36	.08				.16				2.19
Kershaw ‖‖	Lynches	.25								.08							.57	.26		.53	.61		.17		.22	.03		.03					2.85
Landrum	Broad	.09							.06									.42	T.		.14	.15		.71	.46	.40	.11	.63	.18	.21	1.16		4.72
Laurens	Saluda									T.						.40	.15		.65	.50	.40		.02				1.40	.65		1.50	1.25	.42	7.34
Liberty	Savannah	.60																T.	.02	.04	.02	.75	.09		.20	2.30		2.50	T.	T.	.10	.20	6.82
Little Mountain	Saluda								T.	.33						T.			T.	1.28	.65			.10				.94					3.30
Meriwether	Savannah																	.60	.48	1.02	.60			.24				1.06			.50		
Monetta	Edisto	T.							1.66	.30								.02	.20	.51	.17	.15		1.96	.20			.02	.02		.03		5.24
Newberry	Saluda	.35															.02	.02	.01	.70	T.	.60		.78	.58	.01	.07	.36	T.	T.		.11	3.61
Pelzer ‖‖	do	,32								.02										.14	.90		.16		.52	.04	.32	.12	.48	1.60	.10	.64	5.36
Saluda	do								.22	.11	.08								.11	1.45	.24	.19	.07		.22			1.47			.11		4.27
Santuck	Broad	.08							.30		.01								.18	1.11	.32	.21		.69	.42	.09	.02	.19	1.04	.17	.21	.06	5.73
Spartanburg ‖‖	do	1.40							T.	.10	.18								.07	.25			.20		.04		.62	.02	.25	.20	.84	.33	4.50
Trenton	Edisto	T.							1.20								T.		.59	.45	.11		T.	.80			T.	.15	T.		.11	T.	3.41
Walhalla	Savannah	.57							T.						.02			.24	.16	.09	.02	.11	.41	.10		.70	.04	.74	.05	.12	44	.25	4.06
White Oak	Broad	.75							.12									.35	.30	.50	.13	.25	.10		.43								2.93
Winthrop College	Catawba	.85							.60									.28	.28	1.63	.66	.15			.31	.60				.35			5.71

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR JULY.

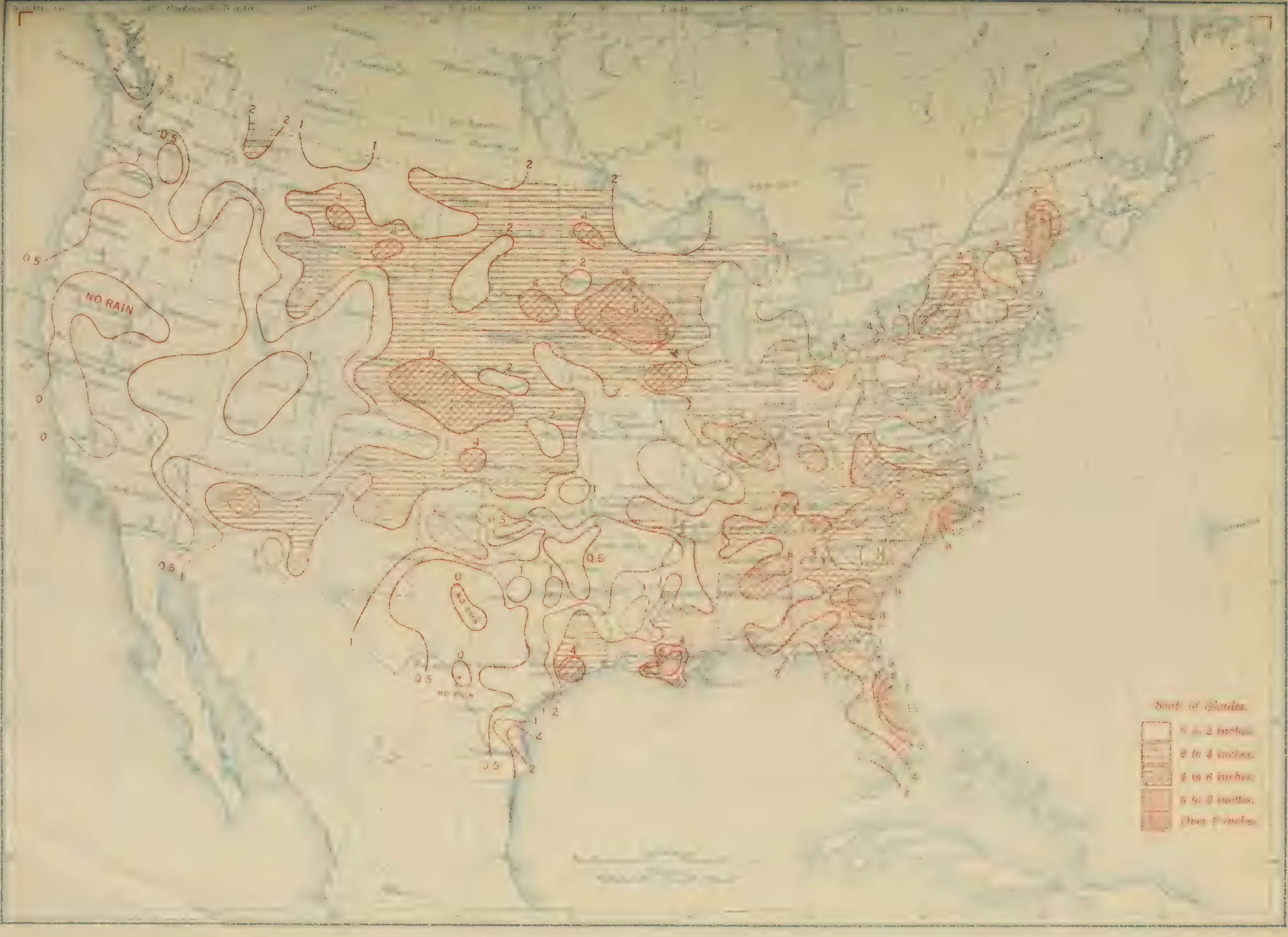
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.	Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.			Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	82.0	110	60	7.49	14					1904	79.4	105	50	5.96	12	13	12	6	sw.
1888	78.9	108	53	3.68	8				sw.	1905	80.4	101	60	6.16	12	13	10	8	sw.
1889	79.5	102	51	7.13	13				sw.	1906	78.4	100	56	8.40	16	5	17	9	sw.
1890	78.4	104	52	6.88	12				sw.	1907	81.4	106	56	5.06	11	13	13	5	sw.
1891	77.9	93	56	5.95					sw.	1908	79.8	100	60	5.43	12	12	13	6	s.
1892	78.9	102	51	7.44					sw.	1909	78.6	104	55	4.92	10	13	12	6	sw.
1893	82.0	104	60	3.87	9	13	14	4	sw.	1910	79.4	102	58	5.83	13	9	15	7	sw.
1894	77.7	100	55	8.24	16	8	12	11	sw.	1911	79.8	102	53	3.79	10	12	13	6	sw.
1895	79.5	102	54	4.17	8	10	15	6	sw.	1912	79.6	102	58	5.22	11	14	10	7	sw.
1896	80.7	105	51	8.17	13	10	13	8	sw.	1913	81.9	109	56	4.78	9	15	9	7	sw.
1897	80.2	107	54	5.01	11	13	12	6	sw.	1914	80.0	107	53	5.16	9	14	13	4	sw.
1898	80.0	102	54	7.81	14	10	10	11	sw.	1915	80.9	106	55	3.26	8	18	10	3	sw.
1899	80.0	105	47	4.03	9	12	11	8	sw.	1916	77.8	99	60	14.69	17	5	12	14	sw.
1900	81.2	104	55	4.08	9	14	11	6	sw.	1917	79.9	102	52	6.56	12	14	9	8	sw.
1901	81.4	102	62	4.52	10	12	12	7	sw.	1918	77.5	103	50	5.02	11	15	9	7	sw.
1902	80.8	107	58	3.79	9	15	11	5	sw.										
1903	80.4	103	45	3.59	8	18	9	4	sw.	Period	79.8	110	45	5.82	11	12	12	7	sw.

Daily Temperatures for July, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	93	88	95	95	99	98	95	95	82	90	92	90	85	83	95	93	96	91	91	91	91	92	92	92	92	93	91	88	91	89	90	91.5
	Minimum	73	66	61	59	66	66	76	76	68	66	68	68	60	59	63	66	63	62	72	70	71	68	72	72	71	69	70	66	68	70	71	67.6
Beaufort	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Blackville §	Maximum	91	85	98	95	101	100	99	95	84	88	91	90	87	89	91	91	96	87	83	85	87	90	89	88	92	90	91	90	88	82	87	90.3
	Minimum	66	63	58	58	62	70	69	68	67	66	66	68	57	58	60	64	67	72	70	68	68	68	69	70	69	68	68	67	67	67	68	67.5
Bowman	Maximum	94	85	87	95	99	99	99	90	87	90	92	88	85	87	92	94	92	91	82	83	90	92	94	93	92	91	90	85	82	82	88	90.0
	Minimum	67	60	57	55	65	70	67	67	65	66	65	64	55	55	58	60	65	68	68	69	68	67	68	70	62	63	65	64	66	68	68	64.4
Centenary	Maximum	91	86	85	94	96	99	98	91	84	91	91	93	80	84	91	94	91	92	84	85	86	89	90	90	93	90	87	87	81	87	84	89.2
	Minimum	69	64	61	67	62	71	66	72	66	63	64	62	66	56	59	60	67	72	70	69	71	71	73	67	65	71	66	66	69	72	71	66.7
Charleston	Maximum	91	84	83	83	93	97	100	93	77	87	92	92	84	83	83	87	87	86	89	79	87	87	85	86	87	87	85	82	81	85	87	86.7
	Minimum	72	70	71	68	71	74	78	68	69	72	75	69	64	69	69	71	75	76	70	73	74	72	78	74	73	75	71	72	75	72	73	72.0
Cheraw §§	Maximum	90	86	88	96	96	100	99	82	88	92	90	88	83	88	94	97	97	90	82	90	87	91	96	89	93	90	89	94	86	86	85	90.4
	Minimum	66	60	53	58	65	68	64	70	60	61	61	62	52	54	61	60	66	68	69	66	66	70	73	70	68	70	65	67	67	68	68	64.4
Conway §§	Maximum	94	90	85	94	95	99	99	82	85	91	93	90	83	86	89	91	91	91	88	87	87	85	87	91	92	88	86	87	82	88	89	89.2
	Minimum	71	65	60	57	63	68	70	76	66	64	67	64	58	58	60	61	61	70	71	69	70	71	70	64	66	68	66	67	71	71	71	66.3
Darlington §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ferguson §§	Maximum	92	86	90	93	98	98	98	90	86	89	90	90	86	85	90	92	92	88	84	90	92	91	90	87	91	89	90	90	85	84	87	89.8
	Minimum	68	65	59	58	57	70	69	67	68	66	65	66	57	58	58	62	70	72	71	68	68	68	73	70	67	69	66	67	66	72	61	65.8
Florence 1 §§	Maximum	91	86	89	96	99	98	98	84	87	93	91	89	84	87	94	95	92	93	82	87	90	89	90	90	94	89	90	90	91	91	90	90.6
	Minimum	69	62	59	60	64	67	69	74	64	64	65	66	57	60	61	62	67	70	71	69	70	71	72	70	68	70	67	70	69	71	70	66.7
Georgetown	Maximum	98	89	85	96	98	93	102	83	85	89	93	93	85	87	90	93	91	91	93	93	91	90	90	91	93	93	90	88	86	88	89	90.8
	Minimum	70	66	63	70	72	66	70	78	68	67	67	70	59	59	61	62	70	74	74	69	72	73	73	73	67	72	68	67	71	72	71	68.8
Kingstree §§	Maximum	92	87	88	94	98	100	98	85	85	91	92	92	84	87	91	94	94	93	85	86	91	91	90	90	93	89	90	88	85	87	88	90.3
	Minimum	68	64	62	62	61	66	69	75	67	65	67	65	57	56	60	60	64	70	71	69	69	70	72	67	66	67	66	66	69	72	70	66.2
Oaks	Maximum	90	85	86	92	96	98	98	....	....	....	....	....	....	....	....	90	93	90	85	85	85	85	87	87	89	89	84	86	82	86	85	^{b}88.4
	Minimum	69	65	62	57	62	71	68	68	67	64	64	64	57	57	59	60	67	72	70	70	67	72	72	65	65	68	66	66	69	72	71	66.0
Orangeburg §§	Maximum	....	....	....	....	....	....	....	....	86	91	90	90	84	86	90	93	94	89	86	90	89	92	90	88	92	92	90	82	86	86	88	^{b}88.9
	Minimum	68	63	58	55	62	68	68	72	69	67	65	65	62	54	60	64	68	69	68	68	72	72	70	70	68	69	67	65	68	71	68	66.2
St. George §§	Maximum	91	86	88	94	101	100	101	92	83	89	92	90	85	86	91	94	94	89	88	86	89	94	92	92	94	90	92	89	88	89	88	90.9
	Minimum	70	66	63	60	65	73	74	75	69	69	68	69	60	61	63	65	71	74	72	70	72	69	74	72	69	70	70	67	70	72	71	68.8
St. Matthews §§	Maximum	93	85	87	95	100	102	101	89	81	90	90	91	85	85	90	95	94	89	84	82	86	91	88	85	88	90	91	86	86	84	85	89.3
	Minimum	67	60	58	58	67	71	67	77	67	66	66	66	56	60	63	63	67	70	69	67	69	69	71	71	69	68	67	66	68	70	68	66.5
Society Hill §§	Maximum	92	86	88	98	100	102	102	83	91	95	91	88	83	89	95	97	91	90	83	86	88	90	92	91	94	89	91	94	81	87	88	90.8
	Minimum	67	60	57	58	66	68	68	72	62	64	63	64	55	57	61	61	68	69	71	68	70	71	73	71	69	72	66	69	68	71	70	66.1
Summerville	Maximum	91	87	87	91	96	98	99	95	79	89	92	89	84	85	89	90	88	85	89	85	89	91	89	88	91	88	89	85	79	84	87	88.6
	Minimum	70	65	63	59	66	70	73	68	67	66	66	68	59	60	61	63	70	70	73	71	71	69	74	68	66	68	67	66	71	72	72	67.5
Walterboro	Maximum	91	92	94	98	98	101	102	95	85	90	91	89	86	86	90	....	89	89	91	86	91	92	90	94	92	90	92	87	85	87	87	^{a}91.0
	Minimum	65	59	57	61	60	67	65	70	54	58	59	58	58	58	59	....	69	63	64	71	69	68	73	68	67	65	68	65	68	70	72	^{a}64.3
Yemassee §§	Maximum	92	87	87	92	98	99	99	96	81	90	93	89	86	86	90	92	93	89	93	87	90	93	89	90	91	91	86	87	87	83	88	90.1
	Minimum	71	66	60	56	58	64	68	74	66	65	65	65	57	57	59	60	62	68	71	70	68	67	68	69	64	65	66	65	68	69	70	65.2
Western Portion.																																	
Aiken	Maximum	93	91	89	94	99	100	100	98	88	88	91	90	88	87	90	91	94	92	84	83	86	91	91	90	88	90	88	86	89	86	85	90.3
	Minimum	70	65	64	71	68	71	72	70	67	67	68	63	59	65	74	67	75	72	69	68	69	68	75	75	69	74	69	67	68	70	69	69.0
Anderson	Maximum	86	82	86	90	97	97	96	86	89	90	89	89	85	89	93	94	91	85	76	81	81	87	88	87	85	87	87	83	83	82	82	87.2
	Minimum	65	59	60	60	66	68	67	71	65	60	63	61	55	63	64	67	69	68	65	56	68	69	65	67	66	67	65	66	66	67	67	64.7
Batesburg §§	Maximum	87	83	88	93	96	97	96	90	83	86	90	88	83	86	88	90	89	88	82	87	86	91	88	84	89	88	84	83	88	85	89	87.9
	Minimum	68	61	63	62	65	74	71	76	67	69	65	64	57	59	63	65	69	70	71	65	67	70	72	68	69	70	67	64	67	70	68	67.0
Calhoun Falls §§	Maximum	92	87	93	98	101	102	100	93	96	93	94	93	91	92	93	95	96	91	86	84	94	95	89	92	90	87	90	89	89	84	89	92.2
	Minimum	68	60	59	59	62	67	66	72	66	60	62	60	58	59	64	67	69	70	70	68	68	69	68	68	70	69	65	67	68	69	68	65.6
Camden §§	Maximum	89	86	90	92	98	95	99	83	98	92	93	91	85	94	92	94	91	88	85	84	85	87	82	84	89	87	85	87	85	83	87	89.0
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clemson College	Maximum	83	79	83	89	90	92	89	86	83	85	86	84	83	85	88	88	88	84	78	76	80	84	86	84	84	82	76	74	81	80	81	83.6
	Minimum	70	56	57	62	67	64	63	70	68	68	58	61	55	64	62	61	68	68	68	70	72	76	72	69	67	67	67	68	67	70	70	65.6
Columbia	Maximum	88	83	87	94	96	98	97	89	83	90	90	88	83	87	90	92	92	90	84	85	88	88	88	85	89	91	89	87	88	84	88	88.7
	Minimum	69	65	65	64	71	74	71	72	67	69	70	66	60	66	68	69	71	71	67	68	72	72	71	71	72	72	70	69	70	72	69	69.1
Greenville	Maximum	91	83	79	87	87	96	95	81	81	83	86	82	79	81	85	86	86	90	86	84	83	84	86	88	89	86	85	83	83	84	86	85.3
	Minimum	74	66	59	63	68	73	72	68	65	68	67	64	58	61	66	65	70	69	70	69	73	70	67	69	71	70	69	68	72	72	71	68.0
Greenwood §§	Maximum	88	81	86	91	95	98	95	90	85	84	90	90	85	85	90	90	90	88	82	79	85	87	88	85	83	86	84	83	84	82	80	86.7
	Minimum	68	58	57	68	65	69	67	68	65	64	64	67	56	59	63	65	68	70	70	67	68	69	68	68	68	68	67	67	67	68	66	65.9
Heath Spring	Maximum	90	92	90	94	96	99	98	96	90	90	88	90	88	84	86	84	86	86	94	82	87	86	86	81	84	93	94	84	83	80	80	88.4
	Minimum	....	....	....	....	....	71	66	....	60	62	61	60	38	60	....	....	....	....	66	64	66	66	68	69	69	68	70	65	66	70	70	^{j}64.5
Kershaw §§	Maximum	90	87	89	96	99	99	98	83	86	90	91	89	85	89	93	90	91	88	78	85	85	89	87	85	89	89	88	89	88	85	87	88.9
	Minimum	67	60	57	58	65	68	67	72	63	64	61	64	53	59	62	63	64	69	70	66	67	71	72	70	70	68	66	68	67	69	67	65.4
Landrum	Maximum	80	83	84	91	94	93	91	89	85	86	85	84	83	86	90	89	89	85	83	87	81	90	89	88	88	86	86	85	84	86	82	86.5
	Minimum	64	55	52	58	70	63	60	68	55	56	56	60	56	58	60	60	64	65	66	65	63	68	68	63	63	65	62	63	65	67	66	62.1
Laurens §§	Maximum	89	83	87	94	96	98	96	88	86	88	85	89	84	88	91	90	92	88	79	84	83	88	84	87	89	86	86	85	86	86	83	87.7
	Minimum	....	....	59	68	63	....	71	72	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	71	67	68	68	67	....
Liberty	Maximum	85	81	88	92	95	93	92	86	89	87	90	85	85	88	91	94	93	93	79	79	80	89	88	90	90	82	86	82	86	82	83	87.2
	Minimum	65	58	57	60	68	69	62	71	66	57	58	64	55	65	64	67	70	68	70	66	69	70	71	68	68	67	66	66	67	70	69	65.5
Little Mountain	Maximum	91	88	90	95	100	103	98	94	86	92	92	93	86	90	92	93	93	92	88	89	92	93	90	90	90	90	90	89	88	87	86	91.3
	Minimum	65	62	70	65	70	75	75	74	64	68	65	63	63	59	66	70	70	69	66	67	68	70	73	71	70	70	67	67	67	67	66	67.8
Meriwether	Maximum	94	95	96	97	....	100	....	....	....	....	....	....	....	....	....	....	87	87	86	87	96	95	94	93	97	95	92	91	90	89	90	....
	Minimum	62	61	63	64	....	....	....	....	....	....	....	....	....	....	....	....	70	71	68	69	65	67	68	69	64	69	65	67	66	65	63	....
Monetta	Maximum	90	84	87	95	98	99	98	93	83	85	90	89	85	89	92	90	91	88	81	81	87	92	92	88	89	91	88	88	89	85	88	89.2
	Minimum	69	64	63	62	65	71	72	68	68	67	67	65	60	64	64	68	72	72	70	68	70	70	71	69	70	70	69	68	68	71	69	57.9
Newberry	Maximum	90	85	91	99	101	102	99	88	90	92	92	92	86	91	92	95	94	92	83	83	90	94	91	87	88	90	89	89	89	90	87	91.0
	Minimum	68	60	57	60	67	68	65	75	66	65	63	64	55	61	63	68	71	72	68	68	70	70	72	70	68	68	67	69	68	68	69	66.5
Saluda	Maximum	89	85	88	96	100	101	100	93	85	89	93	92	88	90	91	94	94	91	82	92	87	95	90	98	87	90	87	95	87	85	88	91.0
	Minimum	67	60	63	55	63	67	62	71	66	66	62	59	51	55	60	65	70	72	65	66	69	67	73	69	67	67	65	66	65	67	67	64.7
Santuck	Maximum	86	84	89	94	100	98	99	85	77	90	91	92	85	90	95	96	96	93	78	86	86	92	89	87	87	90	89	88	88	87	84	89.4
	Minimum	66	59	56	59	68	68	67	50	63	62	61	65	55	62	63	65	69	68	67	67	69	69	71	69	66	67	66	66	67	69	67	64.6
Spartanburg §§	Maximum	83	82	87	95	97	96	96	87	88	88	90	87	85	90	93	95	94	89	80	88	84	92	93	90	92	87	89	89	84	88	83	89.1
	Minimum	66	51	57	60	67	67	64	72	61	59	58	63	55	60	60	64	67	67	69	66	67	69	70	66	65	67	65	66	66	68	67	64.2
Trenton	Maximum	90	84	89	94	98	97	97	90	....	85	86	89	84	....	90	89	92	86	80	79	....	90	90	88	88	86	87	86	88	85	85	^{c}88.3
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	78	....	64	69	72	70	69	68	....	69	71	69	68	69	68	67	67	70	68	....
White Oak	Maximum	86	86	87	94	97	96	95	92	86	89	89	88	85	89	91	91	93	89	79	83	84	87	88	80	89	79	90	90	89	83	86	88.1
	Minimum	66	60	62	63	69	71	70	71	64	65	65	64	58	63	65	65	66	70	69	67	70	70	71	70	69	69	66	67	68	68	66	66.5
Winthrop College	Maximum	89	86	90	96	99	98	96	95	88	89	84	84	83	88	91	94	92	90	77	85	85	89	88	85	85	87	89	87	85	85	82	88.4
	Minimum	65	57	65	64	68	70	65	70	63	60	64	65	54	59	65	69	70	68	69	66	63	70	72	68	67	67	67	69	68	69	68	65.9

Reference letters, (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing: For example, ^{b} represents two days missing, etc.

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
NO RAIN
0.5
0
1
2
4
6

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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

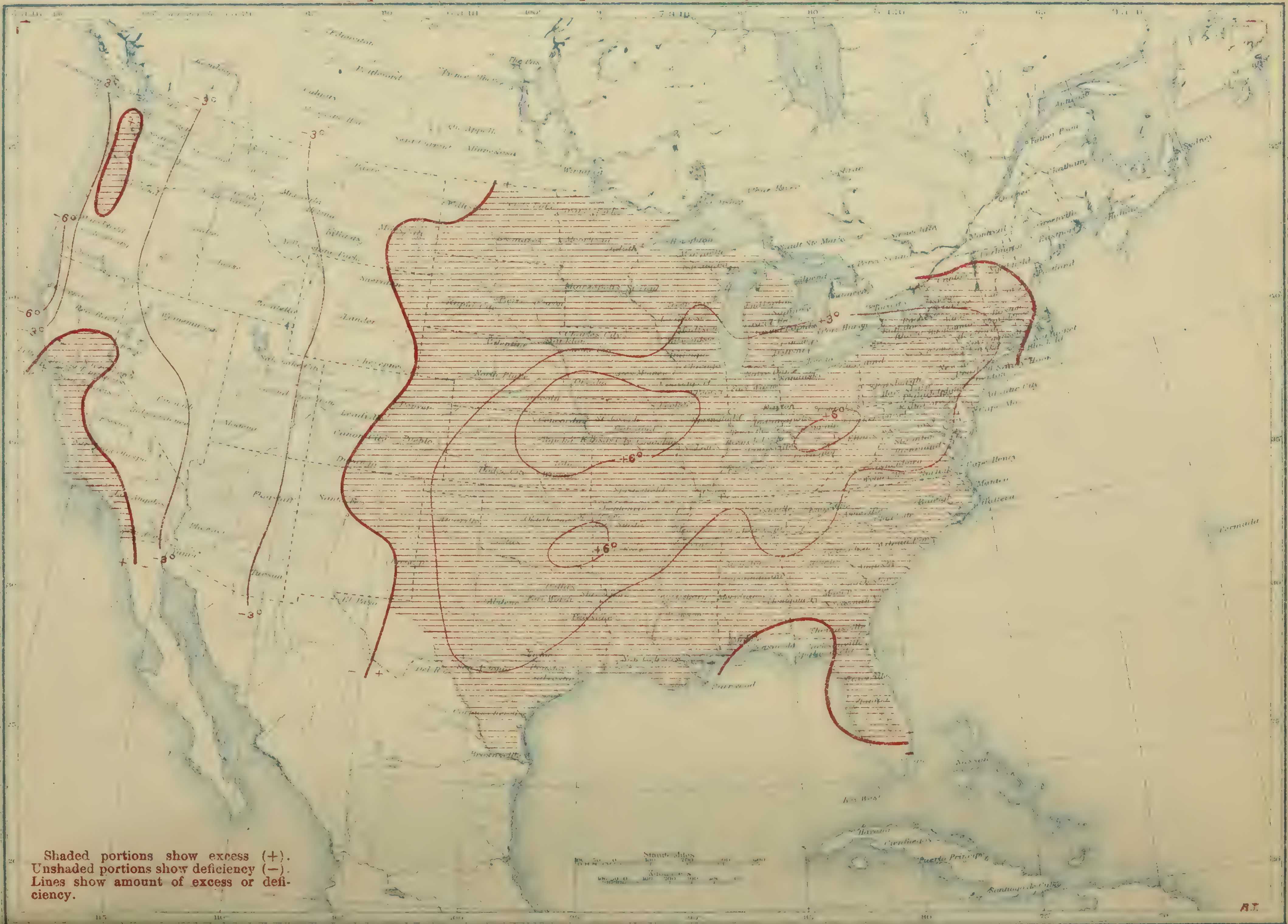
SOUTH CAROLINA SECTION

AUGUST, 1918.

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
October 7, 1918

Departure of the Mean Temperature from the Normal, August, 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.
RICHARD H. SULLIVAN. Meteorologist.

Vol. XXI. Columbia, S. C., August, 1918. No. 8.

GENERAL SUMMARY.

Precipitation during August was decidedly below normal and markedly deficient after the copious rains of the first few days of the month. A long period of sustained high temperatures, with two waves of excessive heat, resulted in a mean above the average.

All crops made satisfactory progress under ample moisture conditions until about the middle of the month, but subsequent drought and heat were attended by general deterioration. In fact, the conditions this season were quite similar to those of August, last year—drought when timely rains were most needed. The early corn crop was practically made by the first week, and fodder pulling proceeded satisfactorily, extending to the intermediate and late crops by the close of the month. Cotton began to open prematurely after the first week, and the first bale of the season was marketed at Barnwell on August 9. The crop as a whole continued to fruit well until about the 15th, when lack of rain and insect ravages resulted in much shedding and a check in fruitage to a large extent, which extended progressively from the coastal plain northward over the Piedmont. The tobacco season ended about the 20th, with good results generally. The month closed with intermediate and late corn, cotton, field truck, gardens, forage, and pastures at a standstill or going backward, except that shedding in the intermediate and late cotton crops had been checked in large areas by local rains and more favorable weather. Fall plowing was retarded during the latter part of the month by unfavorable soil conditions.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 30.06 inches. The highest pressure in the region covered by reports was 30.42 inches at Asheville, N. C., on the 20th, and in the Section proper, 30.39 inches at Greenville on the same date; the lowest pressure was 29.58 inches at Wilmington, N. C., on the 24th, and in the Section proper, 29.88 inches at Columbia on the 26th and at Greenville on the 31st.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 42 stations, was 80.2°, or 1.3° above the established normal. The highest temperature of the month was 106° at Allendale, Barnwell County, on the 15th. There were two distinct heat waves during the extended warm period between the 5th and 17th. The lowest temperature was 52° at Landrum, Spartanburg County, on the 21st and at Saluda, Saluda County, on the 22d. The coolest period of the month was generally between the 21st and 23d.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 83%; 8 p. m., 74%. The highest percentages occurred over the extreme northeastern and extreme northwestern border districts, and the lowest, over the central counties.

PRECIPITATION.

The average for the Section, 54 stations reporting, was 4.45 inches, or 1.66 inches below the established normal. The showers were intermittent and generally light after the copious rains of the first of the month. Excepting small areas of Horry, Orangeburg, Anderson, and Pickens counties, where the measurements ranged from 7 to over 8 inches, the monthly amounts were below normal throughout the Section, particularly over the northern border counties, the lower Savannah watershed, and the middle and lower coast counties, where the rainfall was below 4 inches and ranged downward to less than 2 inches in portions of Edgefield, Aiken, and upper Georgetown counties. In fact, the moisture conditions were quite similar to those of August, last year. The greatest local monthly amount was 8.11 inches at Liberty, Pickens County; least local monthly amount, 1.76 inches at Trenton, Edgefield County. The greatest 24-hour rainfall at any station was 3.95 inches at Orangeburg, Orangeburg County, on the 3d. The average number of rainy days was 30% below the normal.

Deaths by lightning during the month: Miss Nonie Goodwin, near Smoaks, Colleton County, August 2.

WIND.

The prevailing wind was from the southwest. The average hourly velocity, determined from 8 anemometer records, was 6.6 miles. The highest average velocity in the region covered by reports was 9.9 miles per hour at Charleston; the lowest average was 3.8 miles per hour at Charlotte, N. C., and in the Section proper, 5.4 miles per hour at Columbia. The highest velocity for any 5-minute period was 45 miles per hour from the northwest at Greenville on the 10th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 297.0 hours, or 72% of the possible amount. The average number of clear days was 20; partly cloudy, 7, and cloudy, 4, as against normals of 13, 11, and 7 days, respectively.

RIVER CONDITIONS.

Moderate to heavy rains in the Broad, Congaree, and Saluda basins at the beginning of the month were followed by a moderate flood at Chappells, high water at Blairs and Columbia, and flood stages in the Santee River at Rimini and Ferguson between the 3d and 10th. The unavoidable property losses in the swamp regions of the lower Congaree, lower Wateree, and Santee rivers approximated $4,000, and the value of movable property saved by timely warnings has been conservatively estimated at $36,000. The month closed with all the rivers of the Section at low water.

MISCELLANEOUS PHENOMENA. (dates).

Halos.—Lunar: Columbia, 16, 23. *Solar:* Liberty, 15.

ERRATA—JULY, 1918.

Chappells.—Total precipitation, Pages 52 and 53, should be 5.96.

MISCELLANEOUS DATA FOR AUGUST, 1918.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.10	72.8	95	49	5.07	2.27	5.0	nw.	91	76	53
Augusta, Ga........	30.01	81.3	101	60	4.70	2.18	4.8	s.	80	71	76
Charleston, S. C...	30.06	82.2	99	67	2.87	1.37	9.9	sw.	75	77	83
Charlotte, N. C ...	30.06	78.8	99	56	2.18	0.68	3.8	sw.	82	74	70
Columbia, S. C....	30.07	80.8	100	61	4.78	1.76	5.4	sw	81	69	74
Greenville, S. C. ..	30.06	77.5	96	58	3.07	1.42	6.5	ne.	84	72	75
Savannah, Ga.....	30.07	81.2	100	65	4.78	1.59	9.7	sw.	83	76	65
Wilmington, N. C.	30.05	79.8	98	60	6.13	4.97	7.4	sw.	84	80	76
Means and extremes......	30.06	79.3	100	49	4.20	4.97	6.6	sw.	83	74	72

Climatological Data for August 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of days. With precip'n (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Eastern Portion.																				
Allendale	Barnwell	186	29	82.8	+2.5	106	15	60	†22	33	3.17	−2.59	1.48	0	5	18	13	0	w.	R. B. Vance.
Beaufort	Beaufort	21	31																	Miss Lillian H. Rice.
Blackville	Barnwell	296	29	^{e}81.3	+0.8	103	14	^{e}62	31	^{e}32	4.62	−1.15	3.40	0	5	23	5	3		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	17	79.6	+0.2	104	14	55	22	41	5.86	−0.06	2.25	0	6	25	2	4	w.	B. O. Evans.
Centenary	Marion	43	3	80.3		99	14	57	22	34	5.61		1.93	0	8	12	12	7	sw.	D. L. Carmichael.
Charleston	Charleston	48	47	82.2	+1.9	99	14	67	21	21	2.87	−4.10	1.37	0	7	16	10	5	sw.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	28	79.4	+1.1	101	†6	55	†21	39	3.71	−3.06	2.12	0	3					Roland D. Powe.
Conway	Horry	25	32	80.4	+1.1	98	†7	58	21	29	7.40	+0.34	1.85	0	10	21	2	8	sw.	Paul Quattlebaum.
Darlington	Darlington	175	23	80.0	+1.2	100	14	56	20	34	4.38	−0.57	1.62	0	7	26	2	3		D. C. McCall.
Edisto ‡‡	Bamberg	143	30								2.66	−3.68	1.31	0	6					Nathan Jenkins.
Effingham	Florence	106	25								5.33	−1.08	2.55	0	6					H. B. McCall.
Ferguson	Orangeburg	63	32	^{a}80.3	+2.1	^{a}102	14	56	22	^{a}33	3.37	−3.96	0.98	0	7	19	6	6	w.	Henry C. Savage.
Florence 1	Florence	136	29	80.8	+0.6	100	14	57	21	34	4.69	−0.81	2.31	0	5	24	4	3	sw.	H. K. Gilbert.
Florence 2	do	136	3								4.47	−1.03	1.30	0	3	24	5	2	w.	Pee Dee Experiment Sta.
Garnett	Hampton	82												0						Maner B. Robert
Georgetown	Georgetown	12	23	82.8	+2.7	104	15	60	21	30	3.00	−4.04	1.40	0	3	23	7	1	e.	A. P. Hazard.
Kingstree	Williamsburg	54	29	81.0	+1.6	101	14	57	22	34	5.71	−0.79	2.75	0	6	23	2	6	s.	W. H. Matthews.
Oaks	Georgetown		3	^{b}80.7		^{a}98	†14	^{b}59	22	^{b}31	1.99		0.75	0	11	21	7	3	s.	O. M. Mitchell.
Orangeburg	Orangeburg	264	2	80.4		105	14	56	22	33	7.00		3.95	0	4	21	0	10		U. S. Fisheries Station.
Pinopolis **	Berkeley	54	68																	Miss E. P. Ravenel.
Rimini	Clarendon	97	4								4.98		2.38	0	6					William B. Wolfe.
St. George	Dorchester	109	29	82.4	+2.6	104	14	62	†21	32	4.31	−2.17	2.37	0	4	23	3	5	sw.	R. S. Weeks.
St. Matthews	Calhoun	62	22	^{b}81.1	+1.8	^{b}102	14	^{a}55	23	^{b}31	5.28	−0.45	2.80	0	5	26	2	3	se.	J. S. Wannamaker.
Society Hill	Darlington	192	26	^{b}79.6	+1.2	^{b}101	†13	^{b}56	20	^{b}30	3.33	−2.63	1.59	0	5	18	9	4	s.	A. H. Rogers.
Summerville	Dorchester	75	20	80.4	+1.1	100	14	61	†21	31	5.65	−2.37	1.97	0	8	3	27	1	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	15	81.4	−1.0	102	14	59	22	36	3.54	−3.47	0.90	0	7	22	3	6		J. N. Frank.
Yemassee	Hampton	24	22	80.4	+0.3	101	14	58	23	35	4.17	−2.52	1.07	0	8	21	7	3	w.	J. G. Hutson.
Division means and	extremes			80.8	+1.3	106	15	65	†21	41	4.46	−1.98	3.95	0	6	20	7	4	sw.	
Western Portion.																				
Aiken	Aiken	527	57	^{c}82.0	+3.4	100	†14	^{c}59	21	^{c}30	1.97	−3.66	1.15	0	5	26	0	5	w.	Frank B. McCoy.
Anderson	Anderson	764	22	78.6	0.0	98	†14	57	†21	33	5.01	−1.13	3.80	0	7	24	1	6	w.	H. H. Russell.
Batesburg	Lexington	656	29	80.4	+1.7	100	14	57	21	33	3.50	−2.52	1.92	0	6	24	4	3	sw.	E. J. Hite.
Blairs	Fairfield	293	15								5.82	+1.19	2.38	0	8					J. N. Owens.
Calhoun Falls	Abbeville	508	25	81.0		102	†10	54	22	40	5.99	+1.13	2.51	0	5	17	3	11	s.	L. M. Parker.
Camden	Kershaw	222	58			103	†14				4.72	−0.71	2.09	0	7	25	3	3	ne.	W. C. Brown.
Catawba	York	562	14								2.63	−2.74	1.32	0	7					James C. Faris.
Chappells	Newberry	402	14								3.52	−1.98	2.28	0	4					J. J. Murran.
Clemson College	Oconee	850	26	77.2	−0.5	97	8	60	19	27	5.36	−0.11	2.12	0	6	21	5	5	w.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	31	80.0	+1.3	100	14	61	21	29	4.78	−2.00	1.76	0	9	17	9	5	sw.	U. S. Weather Bureau.
Edgefield	Edgefield		4								2.52		1.20	0	6					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	5								3.09	−2.37	1.00	0	8					S. C. Lt., Power & Ry. Co.
Greenville	Greenville	1039	25	77.5	+2.0	96	6	58	22	28	3.07	−3.01	1.42	0	11	16	10	5	ne.	U. S. Weather Bureau.
Greenwood	Greenwood	671	29	77.4	−1.3	98	9	56	†21	32	4.25	−1.09	2.38	0	3	23	0	8	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	17	^{e}81.0	+1.6	99	14	^{e}66	†4	^{e}28	3.72	−2.63	1.40	0	7	15	13	3	sw.	J. Marvin Bowers.
Kershaw	Kershaw	500	2	80.0		103	14	54	21	38	3.63		1.46	0	7	23	0	8	w.	John W. Hamel.
Landrum	Spartanburg	1063	3	78.3		99	6	52	21	37	4.14		1.15	0	11	20	8	3		R. Hartwell Wilds, D.D.S
Laurens	Laurens	589		^{a}77.6		^{a}96	†6	^{a}54	22	^{a}33	5.13		2.68	0	5	25	0	6	e.	Perry A. Simpson.
Liberty	Pickens	900	19	79.0	+0.9	98	15	54	22	36	8.11	+1.35	3.10	0	11	13	15	3	sw.	John T. Boggs.
Little Mountain	Newberry	711	25	80.9	+1.5	101	†9	57	21	32	3.36	−1.94	2.00	0	6	23	4	4	s.	J. M. Sease, M. D.
Meriwether ††	McCormick	450	15	^{a}81.6	+2.8	^{a}102	†15	^{a}54	21	^{a}40				0						Mrs. Marie R. Middleton.
Monetta	Saluda	400	11	80.6	+1.8	102	14	59	21	34	2.85	−2.11	1.10	0	10	15	13	3	sw.	Joseph M. Johnson.
Newberry	Newberry	502	15	80.6	+1.2	102	14	56	22	39	6.22	+1.78	2.90	0	8	13	14	4	sw.	Warren G. Peterson.
Pelzer	Anderson	850	14								7.12	+2.63	2.40	0	9					Joshua Y. Jones.
Saluda	Saluda	536	17	79.5	+0.1	101	†9	52	22	41	3.15	−2.72	1.05	0	6	24	4	3	sw.	Mrs. F. V. J. Maxwell
Santuck	Union	512	25	78.6	+0.1	98	†6	55	21	34	3.75	−2.25	2.50	0	7	19	7	5	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	35	79.0	+1.5	100	†7	54	20	37	2.00	−3.76	0.70	0	6					F. P. Robinson.
Trenton	Edgefield	620	29	80.2	+1.6	100	15	58	21	30	1.76	−4.62	0.90	0	4	21	8	2	sw.	Mrs. S. E. Long.
Walhalla	Oconee	1061	15			^{k}101	15	^{e}54	22	^{e}39	3.19	−2.83	1.67	0	10	17	11	3	sw.	H. W. Brandt.
White Oak	Fairfield	548	2	80.2	+2.1	100	14	56	21	34	5.97	+0.31	1.95	0	11	24	3	4	sw.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	80.2	+1.6	101	6	55	21	35	2.83	−2.98	1.30	0	4	19	9	3	s.	W. P. Goodman.
Division means and	extremes			79.6	+1.1	103	†14	52	†21	41	4.42	−1.18	3.80	0	7	20	6	5	sw.	
Section means and	extremes			80.2	+1.3	106	15	52	†21	41	4.45	−1.66	3.95	0	7	20	7	4	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Blacksburg; of Winthrop College, Rock Hill.
T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for August, 1918.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale |||	Savannah		.92	1.48								.05								.18										.54			3.17
Beaufort	Coast																																
Blackville |||	Edisto		.72	3.40																									.10	.10		.30	4.62
Bowman	do	1.88	2.25	1.08																T.									.38	.15		.12	5.86
Centenary	Pee Dee	.38	1.93	.38							1.34						.08			T.					.41				.88			.21	5.61
Charleston ***	Coast	.81	.03												.14	T.	.33			.13									1.37	T.	.06	T.	2.87
Cheraw |||	Pee Dee			.64							.56						.39			2.12													3.71
Conway |||	Waccamaw	.18	1.72	1.85	.05						1.76					.15	.70								.37				.04	.58			7.40
Darlington |||	Pee Dee	.10	.40	1.62							1.55								.57	.02												.12	4.38
Edisto |||	Edisto		.64	1.31							.02									.20										.17		.32	2.66
Effingham |||	Lynches	.98	.46	2.55							1.10																			.04		.20	5.33
Ferguson |||	Santee	.80	.60	.75	.23						.14		T.				T.				T.									.83	.02		3.37
Florence 1 |||	Pee Dee	.35	.30	2.31							1.69									.04													4.69
Florence 2 |||	do		.35	2.82							1.30									T.													4.47
Garnett	Savannah																												.01		.77	T.	
Georgetown	Coast	1.15	.45																										1.40		T.		3.00
Kingstree |||	Black		.63	2.75							.12					.20	1.33													.68			5.71
Oaks	do	.75	.35	.10	.01						.10					.10	.13								.07			.07	.30	.01	T.		1.99
Orangeburg	Edisto		.55	3.95													2.00													.50			7.00
Pinopolis	Cooper																																
Rimini |||	Santee		1.95	2.38							.03	.21																			.15	.26	4.98
St. George |||	Edisto	.62	.62	2.37																										.70			4.31
St. Matthews |||	Santee		2.30	2.80							.05						.03												.10				5.28
Society Hill |||	do	.02		.68							.96					.08			1.59														3.33
Summerville	Ashley	.29	1.97	.23							.01						.48											.06	.99	T.	1.62	T.	5.65
Walterboro	Ashepoo	.26	.41	.51							.20	.57							.69										.90				3.54
Yemassee |||	do	.16	.32	.83							.09	.93								.72										.05		1.07	4.17
Western Portion.																																	
Aiken	Edisto	.20	.07	1.15							.22																			.33			1.97
Anderson	Savannah	.13	3.80								.09														.07		.05		.33			.54	5.01
Batesburg |||	Edisto		.20	.82							.15									1.92	.24								.17				3.50
Blairs |||	Broad		.64	2.36							.12						.10				.06								2.32	.18	.04		5.82
Calhoun Falls |||	Savannah		2.51	1.75																	T					1.41		T.				.32	5.99
Camden |||	Wateree	.16	.24	.63							.30						2.09			.60									.70				4.72
Catawba |||	Catawba		.08	1.32							.11	.32					.05											.20		.55			2.63
Chappells |||	Saluda		2.28	0.97													.18												T.	.09			3.52
Clemson College	Savannah	.60	2.12								1.99														.20				.40			.05	5.36
Columbia ***	Congaree	.39	.71							.24	.07					1.76			.70	.03								.05	T.	T.		.83	4.78
Edgefield |||	Savannah		.20	.45							1.20						.01			.01							.65						2.52
Gaston Shoals |||	Broad	.06	.10	.43							1.00	.95								.05						.25		T.	T.	.25			3.09
Greenville ***	Saluda	.06	1.42							.15	.50					T.				.02					.37		T.	.06	.43	.02	.01	.03	3.07
Greenwood |||	do		.85	2.38													1.02																4.25
Heath Spring	Wateree		1.37								.27								1.40	.15							.20	.25	.08				3.72
Kershaw |||	Lynches	.03	1.43								.47						.20			.72								.50	.28				3.63
Landrum	Broad	1.15	.64							.27	.21	.05				.03		.80	.16	.06					.62				.15				4.14
Laurens	Saluda	.66	2.68								.74																		.80	.25			5.13
Liberty	Savannah	.50	2.20							.02	3.10					.02			T.	.20					1.20				.30	.02	.05	.50	8.11
Little Mountain	Saluda	.21	2.00													T.				.05								.15			.30	.65	3.36
Meriwether	Savannah	1.00	1.00	.36						.38																							
Monetta	Edisto	.06	.77								.04									.14	T.					.02		.07		.07	1.10	.22	2.85
Newberry	Saluda	.18	2.90								.01						.09			.30									1.58		.24	.92	6.22
Pelzer |||	do		.34	2.38								1.44								.08	.04					.50		T.	.04	2.40	T.	.10	7.12
Saluda	do		.52	.30							.58									1.05									.15			.55	3.15
Santuck	Broad	.23	2.50								.41					T.												.13	.16	.02		.12	3.57
Spartanburg |||	do	.07	.15	.70					T.		.35	.58								T.	T.					T.			T.	.15	T.		2.00
Trenton	Edisto	T.	.90							.31	T.						.11			T.						.44		T.	T.			T.	1.76
Walhalla	Savannah	.09	1.67							.03	.27					.09				T.					.17	.23		.20	.24	T.		.20	3.19
White Oak	Broad	.02	1.25	.11							.63	.28					1.43			.10							.02		1.95	.06	T.	.12	5.97
Winthrop College	Catawba		1.30														.90												.33			.30	2.83

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	77.8	101	49	6.54	11				
1888	77.8	102	50	4.53	10				sw.
1889	74.4	97	45	6.37	12				se.
1890	77.1	96	51	4.25	9				s.
1891	78.9	98	55	8.79					sw.
1892	79.5	96	59	4.42					sw.
1893	77.5	97	57	12.45	13	10	9	12	ne.
1894	77.9	102	55	7.28	11	10	13	8	sw.
1895	79.4	101	55	7.95	13	9	14	8	sw.
1896	80.4	105	52	4.14	7	14	12	5	sw.
1897	78.0	102	57	5.16	9	13	9	9	sw.
1898	78.7	99	57	9.81	18	8	11	12	sw.
1899	81.2	103	59	6.26	10	12	11	8	sw.
1900	83.0	106	60	2.13	5	21	9	1	sw.
1901	78.6	97	57	9.01	15	7	14	10	s.
1902	78.6	104	55	5.07	12	14	10	7	sw.
1903	80.6	105	60	7.15	12	15	9	7	sw.
1904	77.6	102	54	8.47	14	12	9	10	sw.
1905	77.9	107	46	5.69	11	15	8	8	sw.
1906	80.6	100	60	6.62	15	7	17	7	sw.
1907	79.4	101	54	5.41	9	13	13	5	sw.
1908	78.6	100	49	9.11	10	12	11	8	s.
1909	78.8	104	53	4.83	8	15	12	4	ne.
1910	79.0	101	60	6.00	10	11	12	8	ne.
1911	80.0	104	51	6.05	12	10	15	6	sw.
1912	79.2	104	54	3.69	9	16	8	7	sw.
1913	78.9	109	56	3.76	9	15	9	7	sw.
1914	79.0	101	56	5.88	13	9	15	7	sw.
1915	78.8	102	52	7.62	14	11	11	9	sw.
1916	79.6	100	58	3.27	8	16	10	5	sw.
1917	78.5	102	49	3.23	8	15	10	6	sw.
1918	80.2	106	52	4.45	7	20	7	4	sw.
Period	78.9	109	45	6.11	10	13	11	7	sw.

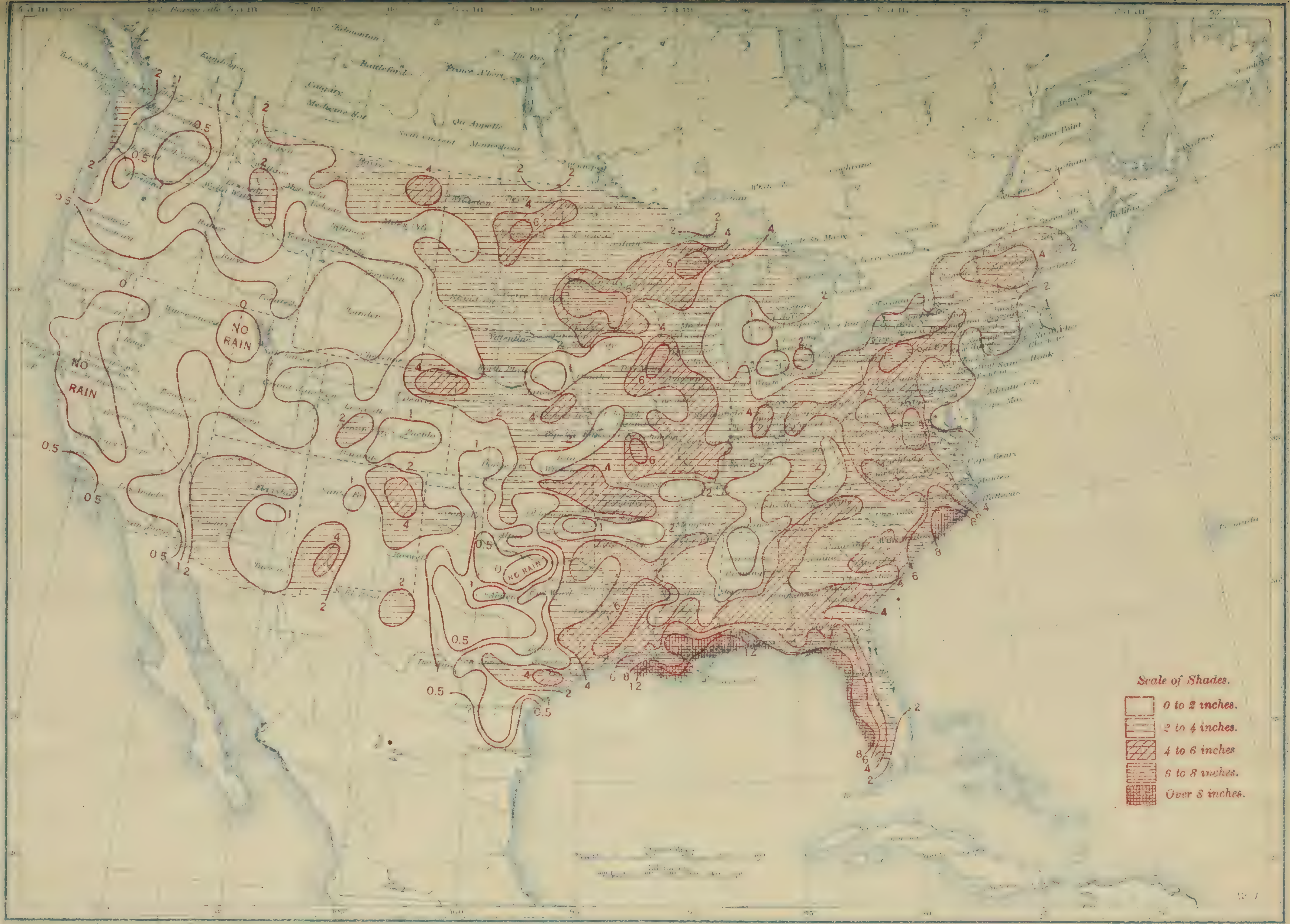
Daily Temperatures for August, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	87	90	93	95	98	100	101	100	101	97	96	100	102	105	106	95	93	90	86	87	88	90	93	96	98	98	98	93	92	92	95	95.3
	Minimum	72	71	69	66	68	73	75	75	76	76	72	70	73	77	76	72	70	70	72	66	61	60	60	72	67	69	68	69	70	72	71	70.3
Beaufort	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Blackville §	Maximum	87	83	83	87	94	96	98	96	99	92	94	97	100	103	102	94	94	93	79	85	87	90	92	89	100	97	95	86	88	90	90	92.3
	Minimum	69	70	68	66	69	75	73	74	73	73	72	69	68	75	75	75	75	70	....	....	....	....	....	68	68	65	67	69	68	71	62	[e]70.3
Bowman	Maximum	84	83	90	94	94	96	97	95	98	92	96	98	100	104	98	91	92	94	84	83	85	88	96	92	97	95	96	83	90	92	91	92.5
	Minimum	69	68	67	65	68	70	73	73	72	73	68	70	70	71	72	70	65	66	65	62	58	55	56	58	63	65	66	67	67	67	65	66.6
Centenary	Maximum	79	84	86	92	93	96	95	95	96	91	93	94	96	99	96	89	90	88	81	82	85	88	91	86	95	95	96	88	85	91	91	90.5
	Minimum	70	72	70	67	73	77	76	75	72	73	74	72	72	74	74	74	67	69	70	64	60	57	59	69	69	74	71	70	68	69	68	70.1
Charleston	Maximum	86	86	87	92	96	94	96	94	90	90	90	93	97	99	99	86	85	85	88	80	83	83	86	89	92	94	90	84	84	86	89	89.5
	Minimum	73	75	74	74	78	79	79	80	78	78	79	77	77	78	81	72	75	77	73	69	67	70	68	73	74	77	76	70	74	74	73	74.9
Cheraw §§	Maximum	80	75	91	94	97	101	101	101	99	101	95	97	99	98	99	99	93	94	93	62	83	88	90	93	92	99	98	96	96	88	96	93.5
	Minimum	68	70	65	62	62	68	68	74	71	70	70	71	68	68	71	69	67	67	59	59	55	55	56	57	63	67	65	65	67	65	63	65.3
Conway §§	Maximum	81	85	89	93	95	97	98	97	97	92	92	95	98	98	97	89	89	87	81	82	87	89	88	83	94	95	94	83	88	86	90	90.6
	Minimum	70	70	70	68	72	75	76	76	75	70	72	72	73	74	75	70	68	69	70	65	58	61	62	65	70	72	73	73	69	70	69	70.1
Darlington §§	Maximum	77	81	88	90	93	95	96	95	97	93	91	93	99	100	91	94	91	80	80	85	88	90	94	98	96	95	91	87	95	91	89	91.1
	Minimum	69	69	69	66	72	75	76	78	75	70	72	72	72	74	74	68	67	70	60	56	58	59	60	70	73	69	68	68	68	67	68	68.8
Ferguson §§	Maximum	83	83	88	93	93	94	96	96	97	95	....	95	99	102	97	90	90	91	81	89	85	89	91	92	94	96	96	80	83	92	92	[a]91.4
	Minimum	68	71	71	65	65	76	83	75	78	71	70	69	72	73	73	73	67	68	69	65	59	56	58	67	68	71	67	72	68	71	68	69.3
Florence 1 §§	Maximum	75	80	87	93	94	98	98	97	98	94	94	95	95	100	96	92	93	93	75	87	86	90	92	97	99	98	98	89	90	96	97	92.5
	Minimum	69	68	69	67	66	70	76	77	75	70	70	72	73	73	76	74	69	69	71	62	57	58	62	63	69	70	71	71	69	70	68	69.2
Garnett	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	91	92	94	98	98	97	86	89	95	93	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	60	60	62	71	72	67	70	67	69	67	....
Georgetown	Maximum	89	85	84	94	95	98	99	98	99	95	95	98	100	102	104	94	93	93	90	85	90	90	91	91	91	100	98	90	88	90	93	93.6
	Minimum	72	73	71	70	75	76	78	78	76	71	75	73	75	77	78	75	75	67	72	66	60	64	66	63	70	77	75	70	71	71	71	72.0
Kingstree §§	Maximum	83	84	94	88	96	98	98	88	98	93	95	96	99	101	98	93	91	91	83	84	87	89	91	90	96	97	95	87	88	92	95	92.2
	Minimum	71	71	66	70	73	76	76	76	75	70	71	71	74	75	75	70	69	69	71	64	58	57	60	69	70	71	71	70	68	68	69	69.8
Oaks	Maximum	82	86	85	89	92	94	94	94	94	92	92	93	95	98	....	89	89	89	84	83	84	85	90	85	96	98	96	89	84	86	84	[a]89.7
	Minimum	72	71	72	67	76	76	82	82	75	71	72	71	74	....	....	73	67	71	67	66	71	59	69	72	72	76	72	72	71	70	69	[b]71.7
Orangeburg §§	Maximum	85	85	90	93	95	97	98	97	99	97	97	99	102	105	98	90	90	91	79	82	84	87	90	95	98	97	95	87	89	93	93	92.8
	Minimum	69	69	69	65	72	73	74	71	79	71	70	69	71	73	74	67	68	68	69	64	58	56	57	63	67	66	65	69	68	69	67	68.1
St. George §§	Maximum	83	84	95	95	95	98	99	98	99	98	93	98	100	104	100	94	93	94	84	85	87	90	91	94	99	99	99	80	87	92	94	93.6
	Minimum	72	73	71	74	68	76	75	75	74	74	74	70	74	76	75	74	69	72	71	67	62	63	62	69	71	75	70	74	70	70	70	71.3
St. Matthews §§	Maximum	81	81	87	91	94	97	99	97	98	97	99	97	100	102	101	....	....	....	85	83	....	....	86	93	95	100	97	....	....	....	96	[h]93.7
	Minimum	70	69	68	65	73	75	75	76	75	72	71	70	71	73	72	71	67	68	71	62	63	57	55	....	65	67	67	65	67	69	67	[a]68.5
Society Hill §§	Maximum	76	79	90	94	96	99	100	100	99	....	93	....	101	101	92	93	93	73	80	84	75	88	89	95	97	97	96	96	87	95	93	[b]91.4
	Minimum	65	69	68	65	72	74	76	71	74	70	....	70	....	72	71	67	68	70	60	56	57	66	59	65	69	71	67	68	67	68	67	67.7
Summerville	Maximum	86	81	85	91	92	95	96	93	93	89	92	93	96	100	98	89	89	90	86	84	85	88	88	92	95	95	93	81	84	87	89	90.2
	Minimum	71	71	71	69	73	76	75	76	74	71	70	71	74	75	76	72	67	71	71	67	61	62	61	69	71	74	71	69	69	69	68	70.5
Walterboro	Maximum	86	86	89	96	96	96	98	98	99	90	94	97	99	102	101	97	93	91	83	86	81	79	89	98	101	100	99	97	86	90	86	93.0
	Minimum	72	74	70	67	71	74	72	72	74	71	69	69	74	73	73	73	66	69	72	66	61	59	62	70	74	72	73	69	68	69	62	69.7
Yemassee §§	Maximum	86	86	88	94	95	96	96	97	96	91	92	95	97	101	101	92	93	91	87	85	88	90	91	93	95	95	93	80	87	91	90	92.0
	Minimum	71	70	70	67	73	73	73	73	72	71	68	70	72	74	74	72	67	69	71	65	60	60	58	65	66	72	66	70	66	69	66	68.8
Western Portion.																																	
Aiken	Maximum	85	86	87	91	93	95	95	95	97	94	91	95	98	100	100	99	92	95	93	83	85	89	92	96	97	95	95	93	88	92	91	92.8
	Minimum	69	71	66	68	72	74	77	74	75	72	71	74	74	74	76	72	70	71	69	65	59	....	....	....	72	72	75	71	72	70	69	[c]71.2
Anderson	Maximum	74	71	86	89	90	96	95	95	97	92	92	94	97	98	98	93	93	90	76	79	83	88	90	94	98	92	94	84	84	90	88	89.7
	Minimum	67	64	62	67	69	72	75	73	75	68	67	71	69	70	71	69	70	69	62	61	57	57	67	67	68	70	66	68	67	64	68	67.4
Batesburg §§	Maximum	82	75	86	91	94	98	97	98	99	98	93	95	98	100	98	93	92	94	83	83	84	87	89	93	98	93	91	98	85	93	93	91.9
	Minimum	70	70	65	65	71	74	76	74	75	71	70	70	70	76	76	70	68	69	67	63	57	60	64	67	71	73	66	65	65	70	66	68.8
Calhoun Falls §§	Maximum	85	74	89	93	97	100	98	99	102	99	97	96	101	102	102	96	98	94	75	86	89	94	96	96	98	95	95	98	86	91	90	93.9
	Minimum	68	69	63	64	68	71	75	74	74	72	73	74	69	70	72	70	69	70	71	64	58	54	58	63	66	70	66	68	69	67	68	68.0
Camden §§	Maximum	76	75	90	92	93	98	99	98	97	94	95	98	102	103	102	103	91	90	80	83	87	89	93	95	98	97	96	96	95	88	89	93.0
	Minimum	74	71	64	64	67	79	79	80	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clemson College	Maximum	80	80	83	84	87	91	92	97	91	88	87	88	90	91	91	91	87	85	80	77	80	84	86	88	90	86	85	88	83	81	85	86.3
	Minimum	76	65	62	68	71	73	77	70	74	74	69	71	71	72	72	68	71	69	60	62	61	62	63	64	66	67	64	68	69	61	69	68.0
Columbia	Maximum	77	75	88	92	95	99	98	98	98	92	93	96	99	100	99	89	90	89	74	81	82	88	90	94	95	94	93	87	84	89	90	90.6
	Minimum	71	69	67	72	74	77	78	79	73	72	73	74	74	78	70	73	72	72	67	64	61	62	65	65	72	73	71	71	68	72	69	70.9
Greenville	Maximum	72	71	87	87	90	96	94	92	94	90	89	90	93	94	96	88	86	86	72	77	82	86	88	87	93	88	87	80	82	87	83	86.7
	Minimum	66	65	62	69	68	75	76	75	72	66	67	72	70	74	73	71	72	72	61	61	60	58	71	69	67	70	68	68	68	64	68	68.3
Greenwood §§	Maximum	87	69	84	88	90	93	94	98	94	87	90	90	95	95	97	87	86	87	84	80	81	81	88	87	88	93	91	87	80	89	89	88.0
	Minimum	68	68	63	63	68	70	74	74	73	72	68	68	70	73	74	69	69	68	68	62	56	56	56	62	62	62	67	67	63	67	68	66.7
Heath Spring	Maximum	87	88	87	86	85	97	97	98	98	90	91	98	98	99	98	97	90	92	91	90	89	88	87	86	90	91	90	92	87	87	88	91.4
	Minimum	67	69	67	66	69	75	78	78	77	70	75	77	75	75	74	68	67	68	69	....	....	....	....	....	68	67	68	66	67	66	67	[e]70.5
Kershaw §§	Maximum	78	85	88	91	91	99	98	98	99	94	94	96	100	103	102	93	93	93	73	82	87	92	94	94	100	95	93	89	83	92	91	92.3
	Minimum	69	67	63	66	70	72	76	76	74	71	70	70	70	72	74	70	68	68	65	58	54	56	58	61	70	71	67	67	67	67	68	67.6
Landrum	Maximum	79	73	89	89	93	99	97	94	96	93	91	95	95	95	97	98	91	88	71	79	87	89	91	92	94	93	90	83	86	91	86	89.8
	Minimum	65	65	60	78	79	76	74	70	70	68	64	69	67	82	70	71	65	70	62	59	52	60	63	63	64	66	61	65	66	61	67	66.8
Laurens §§	Maximum	74	72	86	90	91	96	96	95	95	87	90	92	94	95	96	90	89	88	77	89	82	87	90	85	94	....	92	89	80	87	87	[a]88.5
	Minimum	70	67	61	64	67	71	75	73	71	72	66	69	69	71	70	70	96	68	70	61	56	54	58	60	68	69	....	66	68	65	67	[a]66.8
Liberty	Maximum	75	76	88	89	93	97	97	95	96	92	92	93	96	96	98	90	89	88	75	80	84	87	90	90	92	90	97	85	85	90	87	89.4
	Minimum	68	68	62	69	68	72	76	73	73	70	68	72	71	72	72	71	72	72	65	62	55	54	68	66	68	70	68	73	69	68	68	68.5
Little Mountain	Maximum	86	85	87	90	96	97	98	98	101	93	94	98	100	101	92	92	92	93	80	82	85	87	91	92	95	97	98	93	95	94	94	92.8
	Minimum	68	67	66	69	68	75	80	75	75	70	69	70	73	76	70	71	70	71	65	62	57	61	65	65	69	72	75	66	65	66	67	69.0
Meriwether	Maximum	91	90	90	96	99	100	99	100	100	99	99	98	98	101	102	102	94	95	....	93	87	93	95	97	100	98	98	98	97	96	95	[a]96.7
	Minimum	63	62	61	65	70	71	72	73	71	70	69	67	67	70	74	72	70	67	....	64	54	55	58	59	67	70	67	66	65	65	68	[a]66.4
Monetta	Maximum	83	77	87	92	95	98	96	98	99	91	94	95	98	102	99	91	94	95	86	82	84	89	91	93	97	94	94	92	88	92	89	92.1
	Minimum	72	69	66	68	72	72	76	75	75	72	71	70	72	77	76	72	68	67	65	63	59	62	62	63	69	71	67	69	67	70	69	69.2
Newberry	Maximum	79	74	90	93	96	100	99	99	101	92	95	97	101	102	101	92	93	92	85	82	86	91	93	97	99	96	96	94	82	93	90	92.9
	Minimum	70	67	63	66	71	73	76	75	74	73	69	70	70	73	73	70	69	68	66	62	57	56	60	60	70	70	68	70	68	69	68	68.2
Saluda	Maximum	82	75	87	93	95	100	99	97	101	88	94	96	100	101	101	95	94	95	87	83	86	91	93	95	97	96	96	92	88	93	91	92.9
	Minimum	70	67	64	63	70	75	75	72	72	70	66	68	68	69	69	70	66	65	66	63	53	52	57	56	66	64	65	67	66	68	66	66.1
Santuck	Maximum	75	72	88	90	91	98	96	96	97	90	93	95	98	98	97	90	89	87	79	79	84	89	90	92	97	94	94	93	85	92	90	90.3
	Minimum	68	66	60	64	70	71	76	74	72	70	68	69	68	73	73	69	69	69	62	59	55	57	60	61	67	68	66	68	67	66	68	66.9
Spartanburg §§	Maximum	83	72	72	89	92	95	100	98	100	95	93	96	97	98	99	94	94	92	90	81	86	92	93	96	99	95	95	86	84	94	92	91.7
	Minimum	66	66	61	62	69	72	76	71	70	67	67	70	70	72	68	68	70	68	68	54	56	56	65	66	66	66	66	68	64	64	65	66.4
Trenton	Maximum	80	76	88	91	95	96	95	96	97	90	92	94	98	91	100	92	92	94	80	81	85	88	91	93	95	91	90	90	92	91	90	90.8
	Minimum	70	65	71	69	72	73	77	75	72	69	67	71	76	76	75	71	69	69	65	63	58	66	68	70	71	67	69	66	70	67	67	69.5
Walhalla	Maximum	....	....	....	....	....	....	....	....	....	....	....	94	97	99	101	92	89	92	79	80	86	92	93	91	96	91	90	87	85	91	89	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	67	68	69	67	68	70	66	63	57	54	63	63	64	64	63	67	68	59	67	....
White Oak	Maximum	86	73	86	92	92	99	98	98	99	93	93	94	98	100	98	90	90	89	89	82	85	90	92	92	98	94	96	87	82	91	87	91.4
	Minimum	69	67	63	69	73	73	76	76	73	70	79	71	72	74	76	69	68	69	64	60	56	61	63	65	69	71	69	68	65	69	68	68.9
Winthrop College	Maximum	84	74	89	90	92	101	98	97	99	93	93	96	98	100	99	92	91	90	89	80	85	90	93	93	100	94	94	93	87	93	92	92.2
	Minimum	67	67	62	68	71	73	78	72	74	71	69	72	70	75	75	63	69	75	63	58	55	65	63	64	68	71	69	68	68	67	68	68.3

Reference letters, (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, August, 1918.



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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

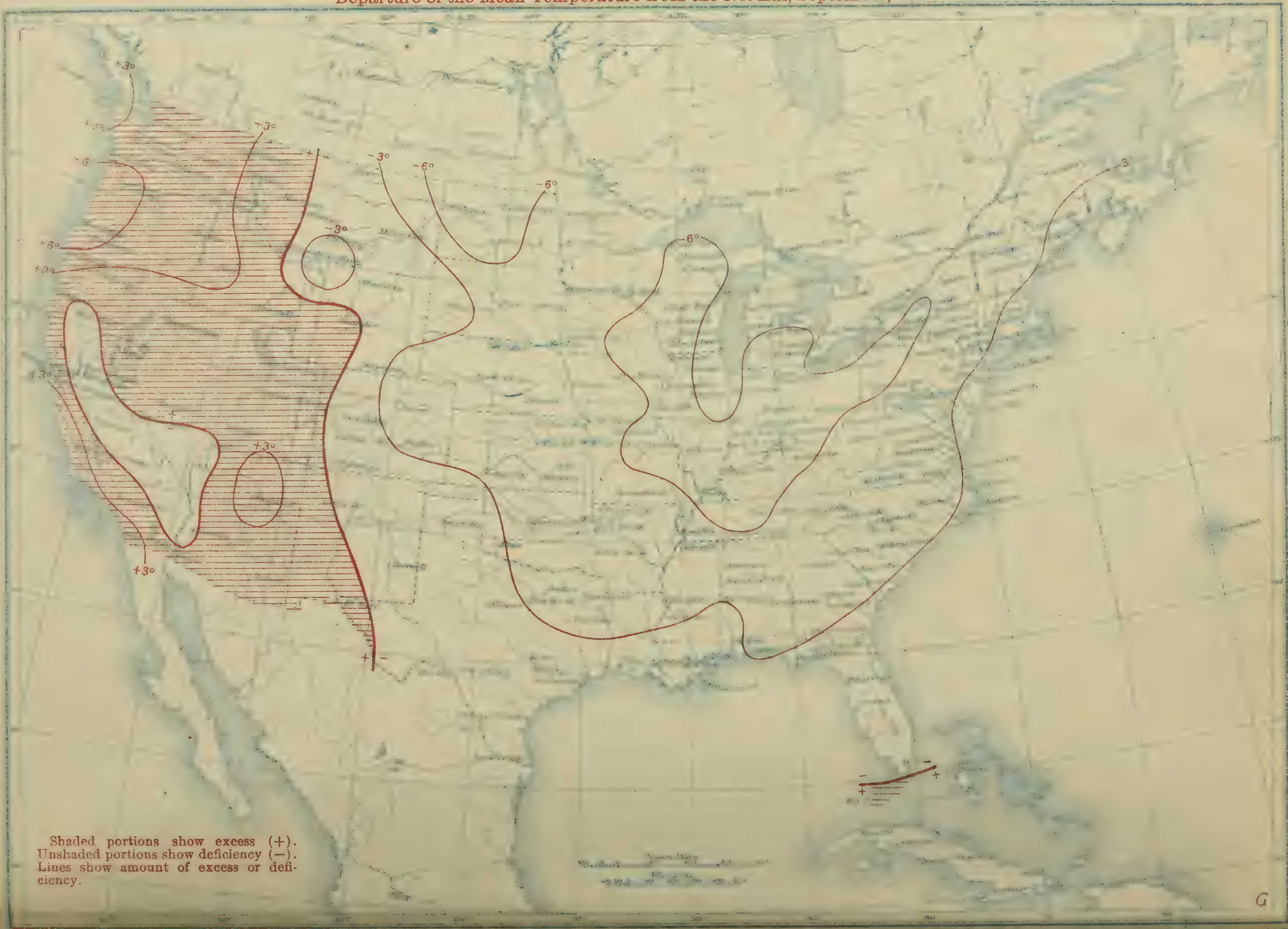
SOUTH CAROLINA SECTION

SEPTEMBER, 1918.

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
November 7, 1918

Departure of the Mean Temperature from the Normal, September, 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.
RICHARD H. SULLIVAN, Meteorologist.

VOL. XXI. COLUMBIA, S. C., SEPTEMBER 1918 No. 9.

GENERAL SUMMARY.

The current month was the coolest September since 1888, and mean temperature records were broken at a number of stations in the higher elevations. The first autumnal light frosts in the northwestern counties appeared two days earlier than any previous record. The average precipitation was somewhat below normal.

The deterioration of all crops, which marked the latter part of August, was not materially checked until the generous rains of the first week of September. The showers came too late to promote cotton development, except in the intermediate and late crops. Intermediate and late corn, forage, sweet potatoes, and other truck were greatly revived by the rains, with promise of generally good yields, particularly as regards sweet potatoes. Cotton opened rapidly during the month, and picking proceeded much faster than was anticipated, considering the prevailing labor shortage. All outstanding crops continued to improve throughout the month, notwithstanding frequent periods of cool nights. The relatively dry weather of the last week was favorable for pea-vine haying, fodder pulling, plowing, small grain planting, and molasses making, but rain was needed to germinate the sown oats and rye.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 30.05 inches. The highest pressure in the region covered by reports was 30.48 inches at Asheville, N. C., on the 22d, and in the Section proper, 30.42 inches at Columbia on the same date; the lowest pressure was 29.77 inches at Charleston on the 28th.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 40 stations, was 69.8°, or 4.3° below the established normal and the lowest September mean since 1888. The highest temperature was 96° at Walterboro, Colleton County, on the 18th. The warmest periods were from the 1st to the 6th and between the 15th and 20th. The lowest temperature was 36° at Saluda, Saluda County, on the 23d. The coolest periods of the month were from the 7th to the 11th and between the 21st and 24th. Light frosts were reported at a number of stations in the higher elevations between the 21st and 23d.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 84%; 8 p. m., 70%. The highest percentages occurred over the extreme eastern and extreme southern counties, and the lowest, over the central counties.

PRECIPITATION.

The average for the Section, 52 stations reporting, was 3.87 inches, or 0.12 inch below the established normal. The principal rainfall of the month occurred during two well-defined periods about the close of the first and second decades. The total monthly amounts were above normal over extensive areas of the coastal plain and the northwestern counties, where the measurements ranged from 4 to over 7 inches; in a broad belt along the lower Piedmont the monthly amounts were below normal and ranged from 3 inches downward to less than 2 inches in portions of Saluda, Edgefield, Aiken, and Barnwell Counties. The greatest local monthly amount was 7.03 inches at Summerville, Dorchester County, and the least local monthly amount was 1.53 inches at Aiken, Aiken County. The greatest 24-hour amount at any station was 4.30 inches at Florence No. 2, Florence County, on the 7th and 8th. The number of rainy days was normal.

WIND.

The prevailing wind was from the northeast. The average hourly velocity, determined from 8 anemometer records, was 6.4 miles. The highest average velocity in the region covered by reports was 9.8 miles per hour at Charleston; the lowest average velocity was 4.3 miles per hour at Charlotte, N. C., and in the Section proper, 5.8 miles per hour at Columbia. The highest velocity for any 5-minute period was 37 miles per hour from the west at Greenville on the 5th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 239.6 hours, or 64% of the possible amount. The average number of clear days was 18; partly cloudy, 5, and cloudy, 7, as against normals of 15, 9, and 6 days, respectively.

RIVER CONDITIONS.

There being general absence of concentrated heavy rains, the rivers of the Section were uniformly low throughout the month.

MISCELLANEOUS PHENOMENA. (dates).

Frost.—Light: 21st, at Anderson, Liberty, Pelzer, Santuck, and Walhalla; 22d, at Camden, Greenville, and Liberty; 23d, at Landrum and Newberry. *Heavy:* 21st, at Landrum.

Halos.—Solar: Greenville, 12, 24.

Fog.—Dense: Centenary, 17, 25, 26; Darlington, 26; Edisto, 14, 26; Gaston Shoals, 19; Rimini, 26.

MISCELLANEOUS DATA FOR SEPTEMBER, 1918.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C.	30.09	61.3	82	35	3.00	1.00	5.8	nw.	91	55	47
Augusta, Ga.	30.03	71.7	91	48	1.38	0.82	4.5	ne.	83	72	64
Charleston, S. C.	30.03	73.2	92	54	3.10	1.28	9.8	ne.	78	77	77
Charlotte, N. C.	30.06	67.0	90	43	5.83	2.99	4.3	ne.	81	67	66
Columbia, S. C.	30.05	70.4	91	48	3.31	2.46	5.8	ne.	80	61	61
Greenville, S. C.	30.04	66.6	86	44	4.38	1.72	6.5	ne.	82	72	69
Savannah, Ga.	30.03	73.6	91	53	4.24	2.03	8.4	ne.	86	80	61
Wilmington, N. C.	30.04	70.4	88	48	1.50	0.58	6.5	ne.	88	77	71
Means and extremes	30.05	69.3	92	35	3.34	2.99	6.4	ne.	84	70	64

Climatological Data for September, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	R. B. Vance.
Blackville	Barnwell	296	29	73.6	−2.0	94	5	44	†22	39	2.10	−2.27	0.90	0	5	23	5	2	...	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	17	70.0	−5.2	95	5	44	22	41	4.93	+1.47	3.11	0	5	20	4	6	ne.	B. O. Evans.
Centenary	Marion	43	3	69.8	...	92	17	44	24	38	5.27	...	2.60	0	10	11	13	6	se.	D. L. Carmichael.
Charleston	Charleston	48	47	73.2	−3.0	92	18	54	21	30	3.10	−2.36	1.28	0	8	14	7	9	ne.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	28	69.1	−4.0	95	6	40	†23	44	3.33	−0.30	20.2	0	5	...	...	...	...	Roland D. Powe.
Conway	Horry	25	32	70.0	−4.8	90	†17	46	†22	39	2.96	−1.89	1.00	0	7	17	0	13	ne.	Paul Quattlebaum.
Darlington	Darlington	175	23	[a]69.2	−5.1	[a]93	5	[a]43	24	[a]38	5.22	+1.39	2.38	0	6	21	0	9	...	D. C. McCall.
Edisto ‡‡	Bamberg	143	30	...	...	...	...	...	...	...	3.38	−0.27	1.60	0	6	...	...	...	...	Nathan Jenkins.
Effingham	Florence	106	25	...	...	...	...	...	...	...	5.39	+1.87	1.55	0	6	...	...	...	...	H. B. McCall.
Ferguson	Orangeburg	63	32	70.6	−3.4	93	1	43	23	37	6.12	+2.32	1.50	0	7	19	3	8	se.	Henry C. Savage.
Florence 1	Florence	136	29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	H. K. Cilbert.
Florence 2	do	136	3	...	...	...	...	...	...	...	5.90	+1.83	4.30	0	4	14	11	5	ne.	Pee Dee Experiment Sta.
Garnett††	Hampton	82	...	73.7	...	95	† 5	48	23	39	4.83	...	1.86	0	7	13	13	4	ne.	Maner B. Robert
Georgetown	Georgetown	12	23	73.3	−2.6	94	20	48	†22	37	3.65	−0.52	2.00	0	6	20	9	1	...	A. P. Hazard.
Kingstree	Williamsburg	54	29	71.0	−3.5	92	†17	44	24	39	5.81	+1.98	1.38	0	6	19	2	9	e.	W. H. Matthews.
Oaks	Georgetown	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	O. M. Mitchell.
Orangeburg	Orangeburg	264	2	71.1	...	94	17	42	23	40	2.70	...	1.60	0	3	25	0	5	...	U. S. Fisheries Station.
Paris Island	Beaufort	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	U. S. Marine Corps.
Pinopolis **	Berkeley	54	68	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Miss E. P. Ravenel.
Rimini	Clarendon	97	4	...	...	...	...	...	...	...	4.07	...	2.55	0	4	...	...	...	...	William B. Wolfe.
St. George	Dorchester	109	29	[a]73.3	−1.6	[a]95	† 5	[a]48	22	[a]39	2.09	−0.97	1.38	0	7	19	3	8	ne.	R. S. Weeks.
St. Matthews	Calhoun	62	22	72.4	−1.8	95	1	40	24	41	2.83	−0.91	1.25	0	5	21	9	0	s.	J. S. Wannamaker.
Society Hill	Darlington	192	26	[c]69.9	−3.3	[c]93	† 5	[c]42	23	[c]42	4.85	+0.83	2.33	0	8	18	7	5	ne.	A. H. Rogers.
Summerville	Dorchester	75	20	70.8	−4.2	88	† 5	48	23	35	7.03	+2.71	2.55	0	7	4	23	3	e.	Miss E. H. Gadsden.
Walterboro	Colleton	69	15	72.2	−4.7	96	18	47	25	40	4.61	−0.25	1.50	0	6	24	2	4	...	J. N. Frank.
Yemassee	Hampton	24	22	72.5	−3.0	92	18	45	23	37	4.63	+0.39	1.81	0	7	24	0	6	e.	J. G. Hutson.
Division means and extremes		...	...	71.3	−3.7	96	18	40	†23	44	4.33	+0.03	4.30	0	6	18	6	6	ne.	
Western Portion.																				
Aiken	Aiken	527	57	72.7	−1.4	92	† 5	47	21	41	1.53	−1.81	0.71	0	4	23	0	7	ne.	Frank B. McCoy.
Anderson	Anderson	764	22	67.8	−6.4	91	4	41	21	38	3.50	+0.10	1.56	0	6	20	1	9	e.	H. H. Russell.
Batesburg	Lexington	656	29	69.9	−4.0	91	17	44	21	33	2.82	−1.07	0.84	0	7	22	1	7	n.	E. J. Hite.
Blairs	Fairfield	293	15	...	...	...	...	...	...	...	2.71	−0.11	1.32	0	9	...	...	...	...	J. N. Owens.
Calhoun Falls	Abbeville	508	25	68.6	...	95	4	41	21	41	3.79	−0.21	1.14	0	9	18	4	8	e.	L. M. Parker.
Camden	Kershaw	222	58	...	...	92	† 5	...	...	...	3.38	−0.37	1.70	0	7	21	4	5	ne.	W. C. Brown.
Catawba	York	562	14	...	...	...	...	...	...	...	4.40	+1.19	1.57	0	7	...	...	...	...	James C. Faris.
Chappells	Newberry	402	14	...	...	...	...	...	...	...	2.12	−0.94	0.76	0	8	...	...	...	...	J. J. Murran.
Clemson College	Oconee	850	26	66.3	−6.5	87	1	38	21	48	4.00	−0.22	1.60	0	3	18	1	11	w.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	31	70.4	−3.3	91	17	48	22	30	3.31	−0.14	2.46	0	6	16	7	7	ne.	U. S. Weather Bureau.
Edgefield	Edgefield	...	4	...	...	...	...	...	...	...	2.26	...	0.47	0	7	...	...	...	...	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	5	...	...	...	...	...	...	...	5.90	+2.93	1.52	0	11	...	...	...	...	S. C. Lt., Power & Ry. Co.
Greenville	Greenville	1039	25	66.6	−4.3	86	4	44	22	27	4.38	+0.47	1.72	0	8	15	8	7	ne.	U. S. Weather Bureau.
Greenwood	Greenwood	671	29	67.9	−5.5	90	4	42	†20	36	3.37	−0.42	0.93	0	9	21	0	9	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	17	68.6	−5.2	90	5	41	†22	36	3.25	+0.07	1.25	0	4	7	17	6	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	2	69.2	...	92	† 4	42	22	42	3.50	...	1.32	0	6	22	0	8	e.	John W. Hamel.
Landrum	Spartanburg	1063	3	66.2	...	89	4	37	†21	41	5.66	...	2.06	0	8	19	4	7	...	R. Hartwell Wilds, D.D.S
Laurens	Laurens	589	...	65.9	...	88	4	40	21	40	3.85	...	1.40	0	5	19	0	11	...	Perry A. Simpson.
Liberty	Pickens	900	19	68.0	−4.9	88	† 2	40	21	35	5.00	+0.94	1.95	0	6	15	9	6	sw.	John T. Boggs.
Little Mountain	Newberry	711	25	70.7	−4.3	91	5	43	23	35	2.11	−0.85	1.40	0	3	21	2	7	s.	J. M. Sease, M. D.
Meriwether	McCormick	450	15	...	...	[i]95	† 4	[p]40	23	...	2.61	−0.46	0.72	0	5	...	...	...	...	Mrs. Marie R. Middleton.
Monetta	Saluda	400	11	70.6	−3.7	92	† 5	45	†21	39	1.55	−2.03	0.40	0	6	15	10	5	ne.	Joseph M. Johnson.
Newberry	Newberry	502	15	69.8	−5.0	93	5	43	23	41	3.08	+0.05	0.82	0	7	8	15	7	sw.	Warren G. Peterson.
Pelzer	Anderson	850	14	...	...	...	...	...	...	...	4.18	+0.97	1.26	0	9	...	...	...	...	Joshua Y. Jones.
Saluda	Saluda	536	17	69.2	−5.2	95	5	36	23	49	1.95	−1.35	0.95	0	4	22	2	6	w.	Mrs. F. V. J. Maxwell
Santuck	Union	512	25	67.4	−6.0	93	5	40	22	40	3.82	+0.35	1.48	0	6	22	2	6	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	35	67.2	−4.9	93	4	40	†20	41	4.43	+1.12	0.87	0	9	...	...	...	...	F. P. Robinson.
Trenton	Edgefield	620	29	70.6	−4.7	91	5	44	23	37	2.02	−1.35	0.54	0	6	16	11	3	se.	Mrs. S. E. Long.
Walhalla	Oconee	1061	15	66.2	...	90	1	37	21	34	3.52	−1.93	1.41	0	10	15	6	9	sw.	H. W. Brandt.
White Oak	Fairfield	548	2	69.6	−3.6	91	† 4	43	†21	39	2.71	−0.75	0.93	0	8	23	1	6	ne.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	68.8	−4.4	91	5	42	†21	37	5.80	−2.52	1.90	0	6	17	7	6	ne.	W. P. Goodman.
Division means and extremes				68.6	−5.2	95	5	36	23	49	3.41	−0.17	2.46	0	7	17	5	8	ne.	
Section means and extremes				69.8	−4.3	96	18	36	23	49	3.87	−0.12	4.30	0	7	18	5	7	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Blacksburg; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for September, 1918.

Stations.	Watersheds.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ‖‖	Savannah																																
Blackville ‖‖	Edisto						.15	.60	.90												.15	.30											2.10
Bowman	do						.04	.31	3.11												1.04	.43							T.				4.93
Centenary	Pee Dee	.20	.08				.50	.24	.47									[illegible]	T.	2.60	.45	.36							.26				5.27
Charleston ***	Coast	T					.13	.62	.66						.05					.04	1.04	T.						T.	.29	T.	.27		3.10
Cheraw ‖‖	Pee Dee	.23						.65	2.02	T.											.21	.22											3.33
Conway ‖‖	Waccamaw	.30						1.00	.06	.24										.32	T.	.82	T.						T.	.22			2.96
Darlington ‖‖	Pee Dee							1.30	2.38	.15				.45							T.	.92									.02		5.22
Edisto ‖‖	Edisto							.36	1.60	.20										.24	.20	.78											3.38
Effingham ‖‖	Lynches	.08						1.55	1.25	.40											1.33	.78											5.39
Ferguson ‖‖	Santee	.58						1.04	1.50										.25	.94	.51	1.30								T.			6.12
Florence 1 ‖‖	Pee Dee																																
Florence 2 ‖‖	do								2.95	1.35											1.40										.20		5.90
Garnett	Savannah	T.					.57	1.86	.32	T.										.26	1.73	.05							.04	T.			4.83
Georgetown	Coast	.30					.35	.30	.50													2.00							.20				3.65
Kingstree ‖‖	Black	1.38						1.29	.73	.40											1.31	.70											5.81
Oaks	do																																
Orangeburg	Edisto							.60	1.60													.50											2.70
Paris Island	Coast																					1.00						.10	.10	.20	.10		
Pinopolis	Cooper																																
Rimini ‖‖	Santee							.80	2.55											.18		.54											4.07
St. George ‖‖	Edisto	.04					.03	.81	1.38	.14										.24		.45											3.09
St. Matthews ‖‖	Santee						.10	1.10	1.25	.10												.28											2.83
Society Hill ‖‖	do	.27				.80		.80	2.33	.15									0.71	.03		.47								.09			4.85
Summerville	Ashley	T.	T.				.66	1.57	.77									T		2.55	.69	.70							.09	T.	T.		7.03
Walterboro	Ashepoo		.99				.39	1.50	.40												1.13	.20											4.61
Yemassee ‖‖	do	.52	.06					.40	1.81												.59	1.20							T.	T.	.05		4.63
Western Portion.																																	
Aiken	Edisto							.71	.36												.10	.36											1.53
Anderson	Savannah					.28	.02	.62	.37										.65		1.56												3.50
Batesburg ‖‖	Edisto	.68						T.	.84	.26										.12	.36	.53								.03			2.82
Blairs ‖‖	Broad	.09					.20	.15	1.32	.08									.11	.20	.27	.29											2.71
Calhoun Falls ‖‖	Savannah						1.14	.63	.81	.07										.33	.46	.22						.10	.03	T.			3.79
Camden ‖‖	Wateree	.19						.81	1.70	.08									.15	.11		.34											3.38
Catawba ‖‖	Catawba	.25						.57	1.57	.14										.26	1.25	.36											4.40
Chappells ‖‖	Saluda	.20						.50	.76	.06										.20	.03	.30								.07			2.12
Clemson College	Savannah								1.40										1.00		1.60												4.00
Columbia ***	Congaree	T.					.42	2.34	.12										.05		.36							T.	.02				3.31
Edgefield ‖‖	Savannah	.10						.35	.45	.47										.20	.34	.35											2.26
Gaston Shoals ‖‖	Broad	.02					.03	.80	1.52	.60								.03	.42	.04	1.42	.60						.42					5.90
Greenville ***	Saluda				T.	.63	.34	.74	.24										.60	1.09	.63						.11	T.	T.				4.38
Greenwood ‖‖	do	.08					.15	.50	.84	.93										.22	.25	.28								.12			3.37
Heath Spring	Wateree						1.23	1.25											.27		.50												3.25
Kershaw ‖‖	Lynches							1.05	1.25	.07										.28	.48	.37											3.50
Landrum	Broad					.06	.03	.66	2.06									.27	.40		1.76							.42					5.66
Laurens ‖‖	Saluda						.40	1.40											.81		.87	.37											3.85
Liberty	Savannah			T.		1.10	T.	.65	.25										1.40	T.	1.95						T.	.25	T.				5.00
Little Mountain	Saluda						T.	1.10	.30												.71												2.11
Meriwether	Savannah						.61	.39						.72				.38											.51				2.61
Monetta	Edisto	.13					T.	.40	.26	T.									.15		.40	.21							T.				1.55
Newberry	Saluda						.59	.76	.28										.27		.82	.16								.20			3.08
Pelzer ‖‖	do					T.	.32	.59	.80	.20									.40	.04	1.36	.54						T.	.02				4.18
Saluda	do							.95	.37												.53								.10				1.95
Santuck	Broad						.50	1.22	.24	.05									.33		1.48								T.				3.82
Spartanburg ‖‖	do						.12	.88	.84	.12		T.							.60	.02	.86	.60						.40					4.43
Trenton	Edisto					T.	T.	.53	.35										.20		.54	.10					T.			.30			2.02
Walhalla	Savannah			.33		.88		.14	.04					.01				.13	.50		1.41							.05		.03			3.52
White Oak	Broad	.02					.10	.93	.90	.04									.24		.17	.31											2.71
Winthrop College	Catawba						.65	1.90	1.45										.40		1.05	.35											5.80

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡ Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	72.2	101	34	1.12	4				e.
1888	69.6	93	31	9.86	13				ne.*
1889	72.1	98	40	3.34	5				se.
1890	72.9	98	49	7.84	16				ne.
1891	74.3	92	50	2.66					ne.
1892	72.5	93	40	6.41					ne.
1893	74.7	98	46	4.42	7	14	7	9	sw.
1894	75.0	100	52	6.51	12	12	10	8	ne.
1895	76.9	106	35	1.29	4	17	8	5	ne.
1896	75.0	105	39	2.94	5	17	8	5	ne.
1897	73.3	100	42	2.91	4	17	7	6	ne.
1898	76.0	95	48	4.06	7	12	10	8	ne.
1899	72.8	102	34	2.55	6	17	8	5	ne.
1900	77.1	100	45	2.83	5	19	8	3	ne.
1901	73.1	98	46	4.66	6	15	8	7	ne.
1902	72.1	98	43	3.74	8	13	9	8	ne.
1903	72.7	100	41	3.62	5	17	7	6	ne.
1904	75.8	101	44	2.46	4	19	7	4	ne.
1905	76.2	98	49	1.91	4	16	8	6	ne.
1906	78.0	98	55	4.85	9	10	12	8	ne.
1907	76.0	99	45	5.91	9	13	11	6	w.
1908	72.4	94	40	2.86	4	15	9	6	ne.
1909	72.0	98	39	3.74	7	13	9	8	ne.
1910	75.8	103	46	3.10	7	15	12	3	ne.
1911	78.9	100	50	3.33	8	13	13	4	sw.
1912	77.7	109	47	5.91	11	10	7	13	e.
1913	71.7	99	40	4.66	9	14	7	9	ne.
1914	71.3	101	43	3.63	7	14	9	7	ne.
1915	75.9	102	43	2.38	5	16	8	6	ne.
1916	72.2	99	35	2.56	7	17	8	5	ne.
1917	71.2	98	40	5.75	10	12	8	10	ne.
1918	69.8	96	36	3.87	7	18	5	7	ne.
Period	74.1	109	31	3.99	7	15	9	6	ne.

* also e. and s.

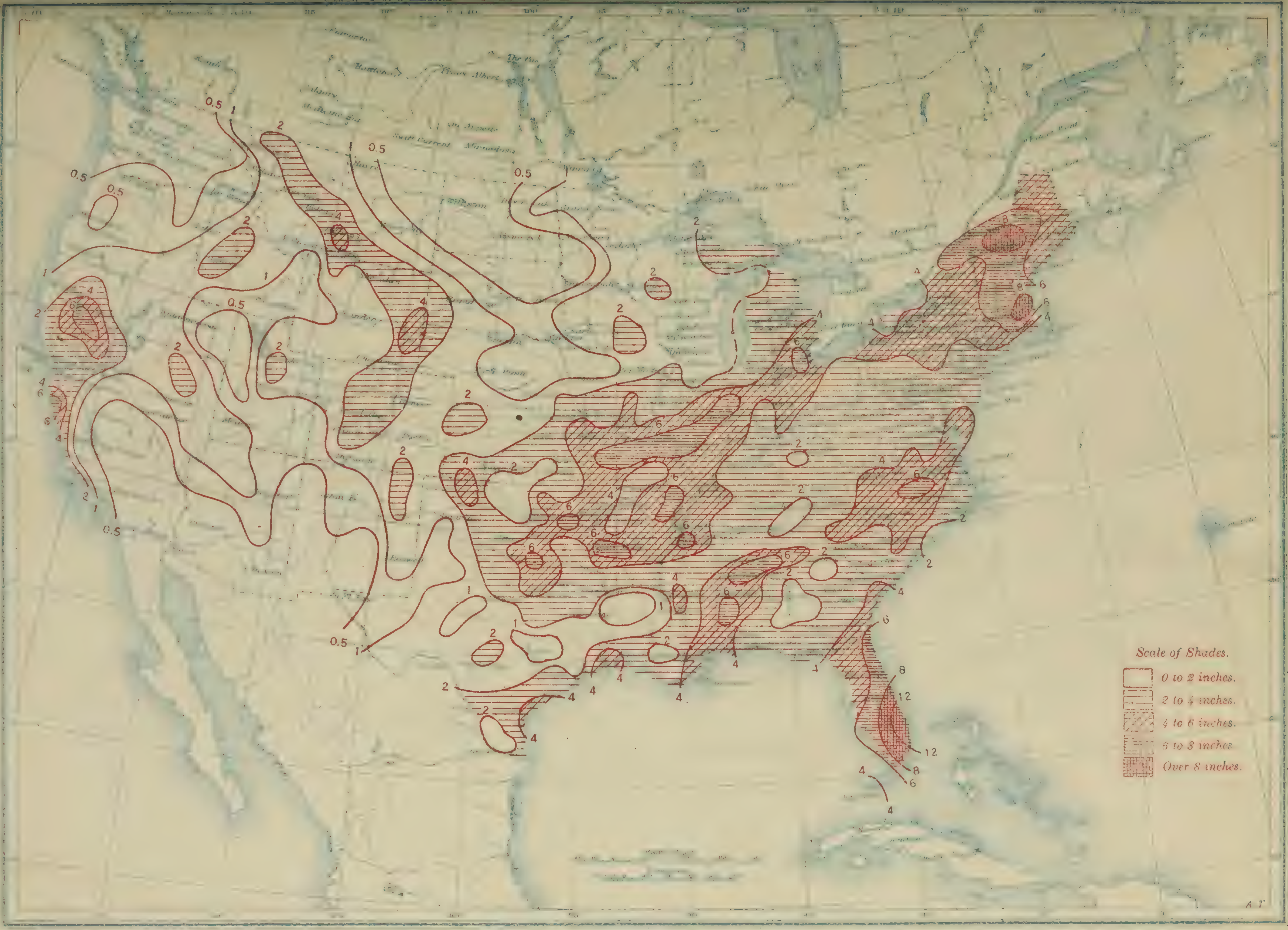
Daily Temperatures for September, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Blackville §	Maximum	90	90	91	91	94	85	70	70	75	82	83	86	86	86	87	90	92	88	86	83	72	70	70	83	85	85	73	72	82	87	....	82.8
	Minimum	62	69	65	70	74	69	65	65	62	58	55	56	64	60	57	60	65	69	69	58	48	44	44	49	65	63	61	65	65	65	....	61.4
Bowman	Maximum	91	91	91	92	95	86	70	72	76	80	84	87	88	90	87	89	93	92	91	84	72	68	75	80	87	87	72	70	75	85	....	83.3
	Minimum	67	64	62	60	59	65	60	62	60	55	54	55	58	61	51	57	58	61	62	68	46	44	45	46	47	50	58	56	55	54	....	56.8
Centenary	Maximum	87	84	85	89	91	88	69	69	74	78	82	83	89	85	82	88	92	91	83	90	67	66	71	78	81	85	71	66	78	84	....	80.9
	Minimum	68	68	60	67	60	98	63	64	61	57	56	57	60	63	54	54	64	69	67	61	52	46	45	44	49	56	60	56	58	56	....	58.8
Charleston	Maximum	85	83	87	84	84	88	78	77	79	80	79	81	87	80	83	81	89	92	85	88	68	69	73	76	79	81	74	74	74	81	....	80.6
	Minimum	73	74	72	67	70	71	69	68	64	64	62	68	68	70	66	66	72	73	69	58	54	55	56	60	63	66	66	64	61	67	....	65.9
Cheraw §§	Maximum	93	90	90	92	93	95	87	72	68	79	84	83	86	89	87	86	88	93	88	95	87	78	69	75	80	83	88	73	68	82	....	84.0
	Minimum	63	61	56	56	60	62	60	60	59	58	53	53	56	58	54	53	53	61	63	65	45	40	40	40	41	44	54	54	52	51	....	54.2
Conway §§	Maximum	89	86	86	88	89	89	72	72	78	80	82	82	89	87	83	85	90	89	86	90	70	68	74	79	83	84	71	69	80	82	....	81.7
	Minimum	69	68	60	61	58	62	64	64	62	57	57	60	60	61	58	57	57	62	66	67	51	46	46	46	49	50	57	58	57	59	....	58.3
Darlington §§	Maximum	89	....	91	92	93	86	68	67	76	82	83	81	87	84	84	87	91	87	90	84	70	69	74	74	84	84	71	67	76	86	....	[a]81.3
	Minimum	65	59	....	61	61	62	62	63	60	56	54	56	62	60	56	55	62	70	66	70	46	44	44	43	46	55	57	55	54	54	....	[a]57.2
Ferguson §§	Maximum	93	86	87	88	92	82	78	75	72	79	83	85	88	90	92	87	89	89	89	85	76	69	74	80	81	86	73	75	78	84	....	82.8
	Minimum	68	68	62	61	59	69	64	62	62	58	52	58	59	63	55	56	61	62	66	69	50	45	43	46	49	54	60	59	56	56	....	58.4
Florence 1 §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Garnett	Maximum	93	91	92	93	95	90	78	80	78	82	86	89	91	91	91	91	93	95	92	90	71	72	78	82	85	87	77	75	78	88	....	85.8
	Minimum	68	70	66	61	60	70	68	67	64	60	57	63	61	65	62	60	65	68	69	67	51	49	48	54	54	58	61	59	61	61	....	61.6
Georgetown	Maximum	90	88	89	90	90	91	80	78	80	84	83	84	90	91	87	90	93	93	93	94	87	73	77	80	85	87	80	83	85	85	....	86.0
	Minimum	70	70	60	60	62	69	67	63	60	61	59	62	61	65	60	56	61	72	66	66	53	48	48	49	51	57	61	61	59	62	....	60.6
Kingstree §§	Maximum	88	87	87	89	91	84	72	74	76	79	84	84	89	87	87	88	92	89	92	89	70	68	74	79	83	86	80	68	79	86	....	82.7
	Minimum	67	68	62	60	60	63	63	65	61	57	55	60	61	66	58	55	65	72	66	69	51	45	45	44	48	55	62	57	58	58	....	59.2
Oaks	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Orangeburg §§	Maximum	87	88	89	90	89	86	73	86	77	80	82	86	89	86	86	88	94	91	91	84	78	73	74	80	84	88	83	70	78	76	....	83.5
	Minimum	68	66	62	61	64	68	64	63	61	57	57	58	60	60	54	55	65	71	65	65	54	46	42	45	48	55	60	58	55	55	....	58.7
Paris Island §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	83	92	78	79	79	70	63	75	74	71	70	68	68	74	82	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	72	74	72	74	65	55	55	61	60	63	62	62	63	65	....	....
St. George §§	Maximum	90	89	91	92	95	85	70	74	78	80	84	85	90	87	89	91	95	92	93	90	70	69	76	....	85	89	75	71	78	86	....	[a]84.1
	Minimum	71	71	65	64	62	74	66	65	63	60	59	63	63	65	59	61	65	71	67	72	51	48	49	52	....	59	64	62	60	62	....	[a]62.5
St. Matthews §§	Maximum	95	89	90	88	90	85	70	78	78	82	81	80	80	90	85	87	94	91	92	87	71	70	73	81	86	88	72	70	80	85	....	82.9
	Minimum	68	70	70	64	65	74	65	67	65	58	57	65	60	59	60	64	68	76	74	77	56	50	49	40	51	55	61	57	56	57	....	61.9
Society Hill §§	Maximum	88	86	89	91	93	83	68	67	78	81	82	85	88	84	....	....	93	86	....	88	....	69	73	78	84	86	70	76	....	83	....	[c]82.0
	Minimum	68	64	58	62	62	72	62	63	61	56	54	56	62	59	56	....	....	54	66	....	46	....	44	42	45	54	60	55	64	....	....	57.8
Summerville	Maximum	85	86	86	87	88	85	79	75	76	77	82	82	83	84	81	83	87	88	86	86	72	66	71	76	79	81	74	68	75	82	....	80.3
	Minimum	70	70	64	62	61	69	66	66	64	59	57	63	61	65	60	59	64	70	66	71	51	49	48	51	53	58	63	59	58	61	....	61.3
Walterboro	Maximum	90	90	90	89	94	88	74	76	76	79	85	86	91	91	88	91	91	96	92	90	69	68	69	70	74	80	81	71	80	85	....	83.1
	Minimum	70	70	65	71	69	70	67	65	64	59	56	59	59	62	58	55	65	67	65	65	50	57	51	61	47	63	59	57	51	59	....	61.2
Yemassee §§	Maximum	89	87	89	89	91	84	80	80	79	81	85	86	89	90	88	89	91	92	91	89	71	71	77	81	85	85	78	75	77	86	....	84.2
	Minimum	68	70	65	60	59	70	67	67	64	58	54	62	61	63	59	58	63	67	71	68	50	47	44	54	58	58	59	59	58	62	....	60.8
Western Portion.																																	
Aiken	Maximum	91	88	90	91	92	89	82	70	72	81	81	86	86	87	86	90	92	91	90	88	72	68	71	80	84	86	83	67	81	85	....	83.3
	Minimum	68	68	67	70	69	72	65	63	62	59	59	61	62	63	62	64	71	69	66	68	47	48	48	51	58	61	66	57	56	62	....	62.1
Anderson	Maximum	86	86	86	91	89	73	68	64	72	78	78	78	85	83	85	86	89	82	86	75	68	59	70	78	83	83	68	66	84	81	....	78.7
	Minimum	66	65	65	66	68	65	57	56	57	56	57	55	57	58	57	59	64	61	59	52	41	43	45	45	51	61	51	55	54	57	....	56.8
Batesburg §§	Maximum	86	87	87	87	90	88	72	71	73	82	79	85	86	84	86	86	91	86	86	77	70	66	72	79	83	87	73	54	81	84	....	80.9
	Minimum	67	65	65	66	66	69	61	61	59	56	56	59	62	59	60	60	64	67	65	55	44	45	46	50	56	59	59	57	53	57	....	58.9
Calhoun Falls §§	Maximum	91	91	91	95	91	88	63	65	73	83	83	82	87	85	88	89	91	85	89	71	70	70	71	82	86	86	65	67	65	86	....	81.0
	Minimum	66	64	63	65	66	68	59	59	59	56	53	52	53	58	55	56	59	66	60	63	41	42	44	44	45	46	59	57	54	54	....	56.2
Camden §§	Maximum	88	90	90	91	92	80	75	66	78	82	86	88	88	90	88	90	92	87	86	91	79	79	79	79	80	88	75	67	87	90	....	84.0
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clemson College	Maximum	87	84	78	85	85	74	70	66	69	70	72	78	78	78	78	80	80	82	78	86	71	70	72	74	74	73	73	65	75	79	....	76.1
	Minimum	66	65	65	65	65	62	58	58	56	55	53	58	55	55	54	64	64	55	63	71	38	40	41	43	47	58	57	56	54	54	....	56.5
Columbia	Maximum	86	86	88	89	89	86	67	68	75	80	80	84	85	84	83	86	91	86	87	79	67	66	71	78	83	85	68	63	79	83	....	80.1
	Minimum	69	69	67	69	68	64	63	64	62	58	59	58	65	63	60	65	67	70	69	53	48	48	48	48	56	60	61	57	57	58	....	60.8
Greenville	Maximum	82	82	80	86	85	73	59	64	72	79	78	75	81	78	80	82	84	80	80	65	66	65	68	74	78	79	63	65	79	77	....	75.2
	Minimum	67	66	67	67	66	59	57	57	58	59	59	59	60	58	60	60	65	61	60	50	46	44	49	47	52	62	56	56	57	59	....	58.1
Greenwood §§	Maximum	85	86	85	90	89	88	68	69	68	78	78	80	80	80	80	84	86	85	86	77	65	64	68	76	81	81	73	68	78	80	....	78.5
	Minimum	68	62	64	63	67	68	59	58	58	55	55	54	60	57	55	62	65	67	63	52	42	43	43	45	53	60	55	54	55	58	....	57.3
Heath Spring	Maximum	86	85	88	89	90	87	71	72	73	80	77	82	82	80	81	85	85	85	85	78	74	69	68	76	80	80	77	72	79	83	....	80.0
	Minimum	67	63	61	62	65	58	56	59	58	53	52	57	59	56	54	61	64	63	64	64	42	41	41	46	50	59	56	57	65	63	....	57.2
Kershaw §§	Maximum	90	90	89	92	92	80	68	67	79	83	82	85	85	86	85	87	90	85	88	76	67	68	73	79	85	85	73	67	83	86	....	81.5
	Minimum	67	63	59	64	65	67	60	62	59	55	53	56	59	57	55	60	65	67	65	54	43	42	43	43	47	56	59	56	53	55	....	57.0
Landrum	Maximum	86	86	84	89	85	76	67	65	76	80	81	77	82	82	83	85	84	83	82	73	67	67	72	78	82	82	68	66	83	81	....	78.4
	Minimum	64	59	57	70	70	63	57	55	57	50	51	54	62	52	51	54	60	61	53	53	37	39	37	41	45	55	56	54	53	53	....	54.1
Laurens §§	Maximum	84	84	84	88	87	75	69	67	72	79	77	79	80	79	80	83	85	82	83	69	65	63	68	73	79	80	65	68	78	79	....	76.8
	Minimum	66	62	62	64	65	66	60	60	57	53	52	50	53	56	53	55	58	61	57	62	40	42	41	41	43	49	57	54	54	54	....	55.0
Liberty	Maximum	85	88	84	88	81	72	66	67	69	79	79	78	82	82	83	84	84	82	84	75	68	66	68	76	81	83	70	67	87	79	....	77.9
	Minimum	64	64	66	67	71	66	59	58	62	65	64	58	58	58	55	55	64	65	50	54	40	42	43	47	48	60	58	55	66	65	....	58.2
Little Mountain	Maximum	89	87	88	89	91	83	75	68	70	74	77	83	83	83	85	86	90	85	85	86	74	68	70	79	82	82	79	76	80	84	....	81.0
	Minimum	65	67	67	67	67	70	61	60	65	67	68	69	63	58	58	56	67	65	60	55	53	45	43	48	58	62	60	56	57	54	....	60.4
Meriwether	Maximum	90	89	90	95	96	....	....	....	....	....	....	....	90	93	93	94	95	89	....	78	75	70	75	82	90	84	80	....	83	88	....	....
	Minimum	66	64	65	67	68	65	64	62	....	....	....	....	....	61	61	....	....	....	....	....	45	43	40	....	....	....	....	....	....	....	....	....
Monetta	Maximum	87	86	90	90	92	88	73	69	74	80	80	86	86	85	87	89	92	86	89	82	67	66	72	81	84	86	77	65	83	85	....	81.9
	Minimum	67	64	66	66	66	65	62	61	60	58	57	59	62	60	59	51	66	68	65	56	45	47	46	45	55	60	62	58	54	58	....	59.3
Newberry	Maximum	87	87	88	91	93	80	71	65	75	81	81	84	86	89	88	91	92	85	90	76	67	67	72	69	85	86	74	70	82	85	....	81.6
	Minimum	66	65	65	66	66	70	61	60	66	56	59	53	59	58	54	59	67	66	63	55	44	44	43	44	49	57	60	55	53	57	....	58.0
Saluda	Maximum	90	88	88	90	95	86	71	67	76	83	83	87	88	86	88	90	93	88	90	77	70	70	75	82	87	86	78	69	76	87	....	82.8
	Minimum	67	61	61	63	64	68	60	60	60	53	49	50	55	53	65	55	66	64	62	42	53	40	36	38	47	54	61	55	55	52	....	55.6
Santuck	Maximum	86	88	89	92	93	76	69	62	75	75	79	77	84	81	83	87	89	85	87	74	67	66	71	72	82	84	72	69	81	82	....	79.2
	Minimum	65	63	61	64	65	66	59	59	58	54	54	53	58	56	53	58	64	64	60	52	41	40	42	42	47	51	55	53	54	55	....	55.5
Spartanburg §§	Maximum	92	89	89	93	92	78	60	63	75	82	82	79	83	82	85	88	88	84	86	67	68	67	72	78	84	85	77	69	84	82	....	80.1
	Minimum	63	63	63	65	65	57	57	57	54	54	54	55	55	55	55	55	58	56	56	40	40	43	43	43	47	56	55	54	54	55	....	54.2
Trenton	Maximum	86	87	89	90	91	90	70	70	71	75	81	83	85	81	87	86	90	84	86	74	65	68	71	81	85	66	79	85	86	85	....	80.9
	Minimum	68	65	66	67	68	68	61	60	60	56	56	61	69	60	65	68	68	67	65	55	48	45	44	49	59	59	54	51	55	68	....	60.3
Walhalla	Maximum	90	87	83	85	88	73	70	67	77	79	82	82	84	82	84	84	82	76	80	76	54	61	73	75	77	78	69	67	80	75	....	77.3
	Minimum	60	66	64	65	68	66	59	59	58	53	51	53	53	54	54	56	58	62	52	52	37	39	41	44	48	57	59	56	56	52	....	55.1
White Oak	Maximum	88	88	87	91	91	80	71	64	75	81	82	84	85	84	85	85	90	85	88	82	67	67	74	79	83	84	80	65	84	85	....	81.2
	Minimum	67	64	62	66	66	66	60	62	59	55	56	57	58	59	56	62	65	64	64	60	43	43	45	47	52	58	58	55	53	58	....	58.0
Winthrop College	Maximum	88	88	87	90	91	77	73	62	75	81	81	81	84	81	84	86	87	85	87	81	66	65	72	78	82	82	74	72	83	82	....	80.2
	Minimum	62	62	63	67	67	63	59	59	58	54	67	55	60	53	53	60	62	63	62	54	42	42	42	45	49	59	56	63	63	54	....	57.3

Reference letters, (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, September, 1918.



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CLIMATOLOGICAL DATA

SOUTH CAROLINA SECTION

OCTOBER, 1918.

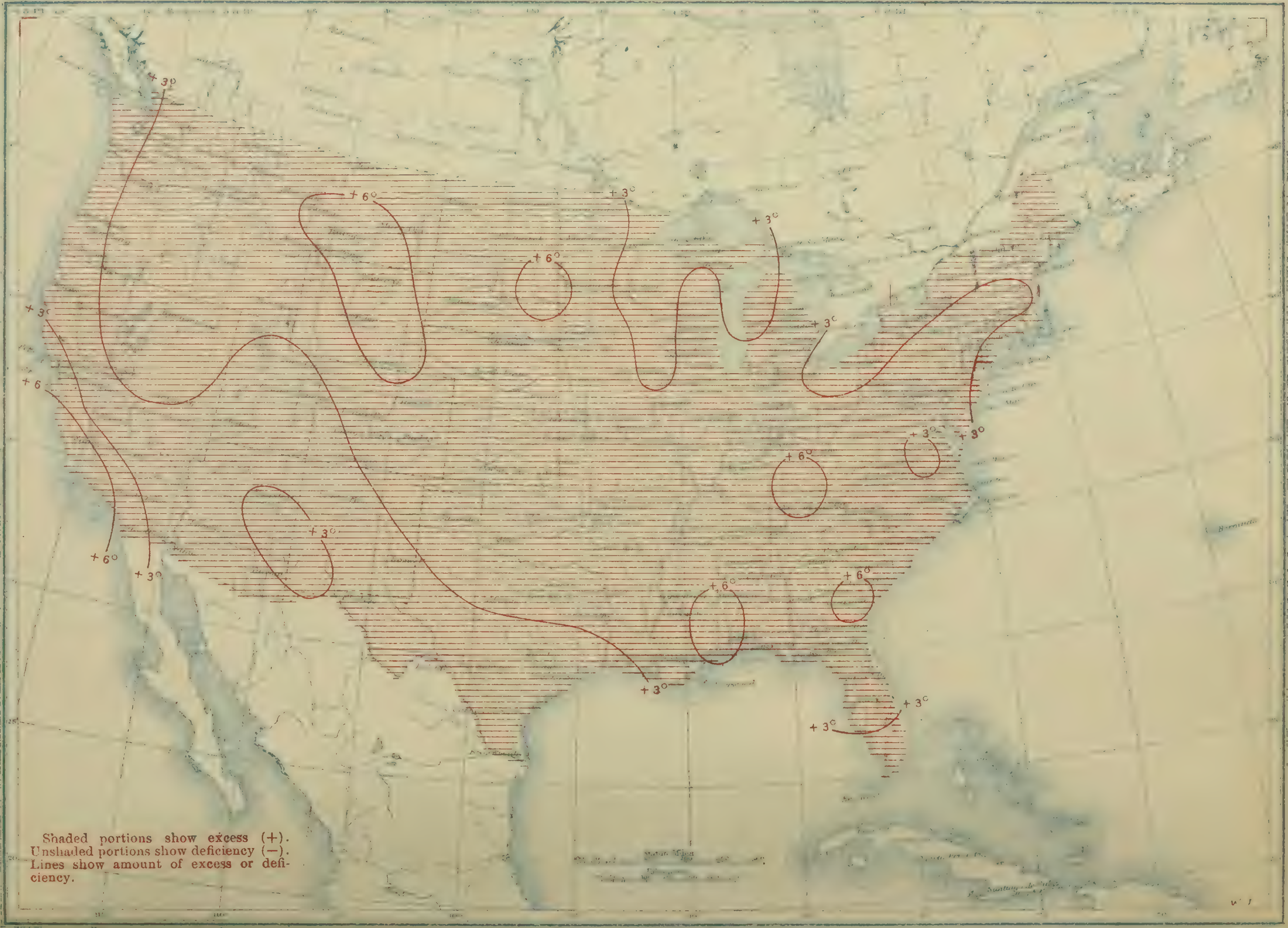
BY

RICHARD H. SULLIVAN

METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
November 26, 1918

Departure of the Mean Temperature from the Normal, October, 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

VOL. XXI. COLUMBIA, S. C., OCTOBER 1918 No. 10.

GENERAL SUMMARY.

The month was high in the group of warm Octobers, the monthly mean temperature being much above the seasonal average. Although the average precipitation for the Section was above normal, due to heavy to excessive rains over the northwestern counties during the last week, the month was generally dry.

The first three weeks were generally too dry for the satisfactory development of forage, late truck, late gardens, and pastures, and plowing for fall grains was materially retarded, while the germination of oats and rye already sown was rather irregular. On the other hand, the weather was especially favorable for intermediate and late cotton, and the late crop continued to bloom and fruit throughout the month, with improving prospects under relatively high temperatures and absence of frost; considering labor shortage and inexperienced help, picking and ginning have made unusual progress. The late corn crop was ready to cut at the close of the month. While the sweet potato yield would have been improved by timely rains, the output thus far has been very satisfactory. Aside from flood damage in the lowlands of the upper Savannah ann Santee Rivers, the general crop situation showed marked improvement after the rains of the last week of the month.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 30.11 inches. The highest pressure in the region covered by reports was 30.43 inches at Charlotte, N. C., on the 8th, and in the Section proper, 30.40 inches at Columbia on the same date; the lowest pressure was 29.67 inches at Asheville and Charlotte, N. C., on the 30th, and in the section proper, 29.69 inches at Greenville on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 38 stations, was 67.3°, or 4.0° above the established normal. The highest temperature of the month was 93° at Waterboro, Colleton County, on the 8th. The warmest periods of the month were the first and last weeks, and particularly the latter period, when the means ranged 8° to 16° above the daily normals. The lowest temperature was 33° at Cheraw, Chesterfield County, on the 16th and 17th. The minimum temperatures at the various stations were recorded on numerous dates during the cool period between the 8th and 24th. Heavy and killing frosts were conspicuously absent.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 85%; 8 p. m., 75%. The highest percentages occurred over the Savannah watershed, and the lowest, over the northern interior.

PRECIPITATION.

The average for the Section, 54 stations reporting, was 3.75 inches, or 0.61 inch above the established normal. While the average for the Section as a whole was above normal, there was no rainfall of consequence until about the 20th. Precipitation was very badly distributed as to time and area; along the lower Piedmont and onward to the sea, the amounts were below normal and ranged from 3 inches downward to one-half inch in Georgetown County; over the Piedmont, the measurements ranged from 4 inches to over 13 inches, and most of the heavy to excessive rains were recorded between the 24th and 27th, followed by freshets in the Santee and Savannah River Districts. The greatest local monthly amount was 13.91 inches at Walhalla, Oconee County, and the least local monthly amount was 0.50 inch at Georgetown, Georgetown County. The greatest 24-hour rainfall at any station was 7.32 inches at Greenville, Greenville County, on the 24th and 25th. The number of rainy days was 17% below normal.

WIND.

The prevailing wind was from the northeast. The average hourly velocity, determined from 8 anemometer records, was 7.8 miles. The highest average velocity in the region covered by reports was 11.0 miles per hour at Charleston; the lowest average velocity was 4.9 miles per hour at Charlotte, N. C., and in the Section proper, 7.2 miles per hour at Columbia. The highest velocity for any 5-minute period was 38 miles per hour from the northeast at Charleston on the 19th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 188.5 hours, or 54% of the possible amount. The average number of clear days was 15; partly cloudy, 8, and cloudy, 8, as against normals of 17, 7, and 7 days, respectively.

RIVER CONDITIONS.

A series of unusually heavy and excessive rains over the the western parts of the Carolinas between the 24th and 27th was followed by freshets of considerable height in the Santee and Savannah River Systems, and the lower Broad, lower Congaree, lower Catawba, Wateree, and Santee River swere in flood at the close of the month. The flood crests were as follows: At Pelzer, 18.0 ft., 27th; Chappells, 22.6 ft., 28th; Blairs, 22.4 ft., 27th; Columbia, 20.7 ft., 28th; Mount Holly, N. C., 16.0 ft., 27th; Catawba, 18.5 ft., 27th; Camden, 30.5 ft., 28th; Rimini, 19.0 ft., November 4; Ferguson, 14.9 ft., November 5; Augusta, Ga., 29.8 ft., 27th.

MISCELLANEOUS PHENOMENA. (dates).

Frost.—Light: Greenville, 16.

Halos.—Lunar: Charleston, 15; Columbia, 16, 18; Garnett, 15; Greenville, 16, 18. *Solar:* Columbia, 18; Greenville, 3, 8; Liberty, 8, 18; Walhalla, 16.

Fog.—Dense: Catawba, 22; Centenary, 6, 28; Edisto, 6, 29; Gaston Shoals, 3; Liberty, 21; Rimini, 6, 17, 29; Saint George, 4, 5; Walhalla, 21.

MISCELLANEOUS DATA FOR OCTOBER, 1918.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.14	59.1	79	36	11.32	7.92	8.0	se.	86	71	46
Augusta, Ga.......	30.10	69.2	89	46	3.21	1.11	5.7	e.	87	76	47
Charleston, S. C...	30.10	70.7	86	56	1.66	1.23	11.0	ne.	81	80	67
Charlotte, N. C ...	30.12	64.0	86	42	3.00	1.30	4.9	ne.	86	68	42
Columbia, S. C....	30.12	67.8	89	46	1.41	0.97	7.2	ne.	84	72	56
Greenville, S. C...	30.10	63.7	84	43	11.41	7.32	7.7	ne.	80	70	52
Savannah, Ga.....	30.08	71.6	89	56	1.52	0.60	10.7	ne.	88	85	43
Wilmington, N. C.	30.12	67.2	85	47	0.32	0.22	7.4	ne.	85	77	76
Means and extremes......	30.11	66.7	89	36	4.23	7.92	7.8	ne.	85	75	54

Climatological Data for October, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip'n (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	29	[c]70.6	+5.8	[c]90	5	[b]47	9	[c]34	0.67	−2.11	0.30	0	4	...	...	...	...	R. B. Vance.
Blackville	Barnwell	298	29	...	...	90	†7	...	...	...	2.15	−0.83	1.00	0	5	22	7	2	...	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	17	66.3	+2.1	89	6	38	11	47	1.46	−1.29	1.29	0	2	9	17	5	sw.	B. O. Evans.
Centenary	Marion	43	3	68.0	...	89	6	40	16	42	2.24	...	1.50	0	2	9	12	10	ne.	D. L. Carmichael.
Charleston	Charleston	18	47	70.7	+3.6	86	6	56	23	20	1.66	−2.27	1.23	0	4	6	13	12	ne.	U. S. Weather Bureau.
Cheraw	Chesterfield	141	28	[c]64.2	+2.6	92	7	[c]33	†16	[c]51	2.66	−0.19	2.18	0	3	3	...	...	...	Roland D. Powe.
Conway	Horry	25	32	66.6	+2.4	87	6	41	24	39	0.73	−2.77	0.38	0	2	18	0	13	ne.	Paul Quattlebaum.
Darlington	Darlington	175	23	[a]66.4	+3.0	[a]90	6	39	16	[a]41	3.10	−0.24	2.40	0	3	19	2	10	...	D. C. McCall.
Edisto ‡‡	Bamberg	143	30	...	...	...	...	...	...	...	1.64	−0.73	0.76	0	3	...	...	...	...	Nathan Jenkins.
Effingham	Florence	106	25	...	...	...	...	...	...	...	1.65	−1.40	1.23	0	3	...	...	...	...	H. B. McCall.
Ferguson	Orangeburg	63	32	67.5	+4.2	87	6	39	11	43	2.69	−0.30	2.14	0	4	10	13	8	se.	Henry C. Savage.
Florence 1	Florence	136	29	68.8	+5.0	91	6	43	†8	42	2.57	−0.55	2.21	0	2	17	7	7	ne.	H. K. Gilbert.
Florence 2	do	136	3	...	...	...	...	...	...	...	2.30	−0.82	2.00	0	2	21	9	1	ne.	Pee Dee Experiment Sta.
Garnett	Hampton	82	...	71.2	...	92	7	47	10	39	0.90	...	0.46	0	4	6	12	13	ne.	Maner B. Robert
Georgetown	Georgetown	12	23	71.0	+5.6	90	6	45	11	42	0.50	−3.18	0.50	0	1	26	5	0	se.	A. P. Hazard.
Kingstree	Williamsburg	54	29	68.9	+4.8	88	6	41	10	43	2.82	−0.02	1.42	0	3	12	5	14	e.	W. H. Matthews.
Oaks	Georgetown	...	3	...	...	...	...	...	...	...	0.64	...	0.36	0	2	...	...	...	...	O. M. Mitchell.
Orangeburg	Orangeburg	264	2	[b]69.6	...	90	†6	...	...	...	1.30	...	0.90	0	2	7	3	21	...	U. S. Fisheries Station.
Paris Island	Beaufort	13	...	71.8	+4.4	87	†5	52	9	31	5.51	+2.19	1.98	0	6	18	7	6	e.	U. S. Marine Corps.
Pinopolis **††	Berkeley	54	68	65.4	+1.2	80	†8	48	10	...	0.87	−2.26	0.75	0	2	15	10	6	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	4	...	...	...	...	...	...	...	1.92	...	0.65	0	3	...	...	...	...	William B. Wolfe.
St. George	Dorchester	109	29	70.8	+6.2	91	6	43	10	42	0.92	−1.44	0.48	0	5	16	5	10	ne.	R. S. Weeks.
St. Matthews	Calhoun	62	22	...	...	...	...	...	...	...	1.47	−1.29	0.82	0	3	21	9	1	sw.	J. S. Wannamaker.
Society Hill	Darlington	192	26	[b]65.8	+4.0	[b]91	6	[b]36	16	[b]40	3.97	−0.84	3.62	0	3	22	4	5	ne.	A. H. Rogers.
Summerville	Dorchester	75	20	68.8	+3.9	83	6	46	10	36	1.38	−2.56	0.58	0	5	0	31	0	e.	Miss E. H. Gadsden.
Walterboro	Colleton	69	15	...	...	[l]93	8	[l]38	31	...	1.45	−1.81	0.93	...	...	...	...	...	...	J. N. Frank.
Yemassee	Hampton	24	22	70.1	+5.0	90	7	45	10	38	1.69	−1.24	0.80	0	5	23	3	5	ne.	J. G. Hutson.
Division means and extremes		...	...	68.8	+4.6	93	8	33	†16	51	1.93	−1.41	3.62	0	3	15	9	7	ne	
Western Portion.																				
Aiken	Aiken	527	57	70.2	+6.9	88	6	49	9	35	2.85	+0.19	1.33	0	6	13	3	15	ne.	Frank B. McCoy.
Anderson	Anderson	764	22	65.2	+2.4	89	†3	44	23	38	5.89	+3.03	3.47	0	7	15	0	16	e.	H. H. Russell.
Batesburg	Lexington	656	29	67.8	+4.7	87	6	45	15	33	2.99	−0.26	0.98	0	6	12	6	13	sw.	E. J. Hite.
Blairs	Fairfield	293	15	...	...	...	...	...	...	...	3.42	+0.74	1.42	0	5	...	...	...	...	J. N. Owens.
Calhoun Falls	Abbeville	508	25	64.8	...	89	†3	41	†10	43	4.66	+1.81	3.07	0	5	16	6	9	e.	L. M. Parker.
Camden	Kershaw	222	58	...	...	...	...	...	...	...	1.28	−1.40	0.95	0	3	18	7	6	ne.	W. C. Brown.
Catawba	York	562	14	...	...	...	...	...	...	...	2.79	−0.84	1.32	0	5	...	...	...	...	James C. Faris.
Chappells	Newberry	402	14	...	...	...	...	...	...	...	3.43	+1.62	1.37	0	5	...	...	...	...	J. J. Murran.
Clemson College	Oconee	850	26	[b]64.6	+3.3	87	2	[b]42	15	[b]38	10.55	+7.21	2.90	0	5	15	4	12	e.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	31	67.8	+3.8	89	6	46	10	32	1.41	−1.44	0.97	0	4	10	8	13	ne.	U. S. Weather Bureau.
Edgefield	Edgefield	...	4	...	...	...	...	...	...	...	2.65	...	1.00	0	4	...	...	...	...	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	5	...	...	...	...	...	...	...	7.49	+4.70	2.07	0	8	...	...	...	...	S. C. Lt., Power & Ry. Co.
Greenville	Greenville	1039	25	63.7	+3.8	84	6	45	16	33	11.41	+8.45	7.32	0	9	11	7	13	ne.	U. S. Weather Bureau.
Greenwood	Greenwood	671	29	...	...	[e]86	6	[f]43	23	...	4.86	+2.04	2.78	0	4	...	...	...	...	M. M. Calhoun.
Heath Spring	Lancaster	568	17	...	...	85	7	...	...	...	2.01	−0.62	1.00	0	3	7	16	8	e.	J. Marvin Bowers.
Kershaw	Kershaw	590	2	67.0	...	90	6	40	†16	40	1.58	...	1.00	0	5	15	6	10	e.	John W. Hamel.
Landrum	Spartanburg	1063	3	63.3	...	89	6	39	16	42	12.15	...	5.15	0	9	15	5	11	...	R. Hartwell Wilds, D.D.S.
Laurens	Laurens	589	...	63.0	...	84	6	38	15	36	8.95	...	4.72	0	5	19	1	11	...	Perry A. Simpson.
Liberty	Pickens	900	19	65.4	+4.0	88	3	44	†9	35	9.95	+6.19	7.30	0	8	12	8	11	se.	John T. Boggs.
Little Mountain	Newberry	711	25	[a]66.6	+2.5	[a]88	6	[a]45	†9	[a]35	3.37	+0.36	1.40	0	4	21	3	7	se.	J. M. Sease, M. D.
Meriwether	McCormick	450	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Mrs. Marie R. Middleton.
Monetta	Saluda	400	11	68.5	+4.4	89	6	46	10	33	2.94	−1.40	1.12	0	5	8	16	7	ne.	Joseph M. Johnson.
Newberry	Newberry	502	15	66.8	+4.3	90	6	42	16	38	3.15	+0.40	1.00	0	8	18	0	13	e.	Warren G. Peterson.
Pelzer	Anderson	850	14	...	...	...	...	...	...	...	9.51	+6.20	4.32	0	8	...	...	...	...	Joshua Y. Jones.
Saluda	Saluda	536	17	66.2	+3.3	91	6	38	16	42	2.76	−0.28	1.35	0	3	18	5	8	ne.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	25	65.3	+3.8	89	6	40	16	40	4.23	+0.98	2.31	0	5	15	7	9	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	35	63.4	+2.6	88	6	39	†15	39	8.39	+5.72	2.75	0	8	...	...	...	...	F. P. Robinson.
Trenton	Edgefield	620	29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Mrs. S. E. Long.
Walhalla	Oconee	1061	15	64.4	...	89	6	40	16	39	13.91	+10.95	5.40	0	9	11	8	12	ne.	H. W. Brandt.
White Oak	Fairfield	548	2	67.1	+4.7	89	6	42	23	39	3.45	+1.46	1.40	0	4	17	7	7	e.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	66.2	+4.3	88	6	41	†16	39	3.17	+0.26	1.57	0	4	11	13	7	s.	W. P. Goodman.
Division means and extremes		...		65.9	+3.6	91	6	38	†15	43	5.35	+2.37	7.32	0	6	14	7	10	ne.	
Section means and extremes		...		67.3	+4.0	93	8	33	†16	51	3.75	+0.91	7.32	0	5	15	8	8	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (a, b, c), appearing in the table indicate number of days missing; for example, b represents two days missing, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Blacksburg; of Winthrop College, Rock Hill.
T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for October, 1918.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ||||	Savannah															T.						.30				.10		.05				.22	0.67
Blackville ||||	Edisto																				.70	1.00				.10		.10				.25	2.15
Bowman	do													T.							T	1.29			T.	T.	T.					.17	1.46
Centenary	Pee Dee		T.											T.								.74					T.					1.50	2.24
Charleston ***	Coast			T.																T.	.20	1.03				T.	T.	.25			T.	.18	1.66
Cheraw ||||	Pee Dee																		.07			2.18										.41	2.66
Conway ||||	Waccamaw																					.38	T.									.35	0.73
Darlington ||||	Pee Dee																					2.40			.05							.65	3.10
Edisto ||||	Edisto														.70							.76										.18	1.64
Ellingham ||||	Lynches																					1.16	.07									.42	1.65
Ferguson ||||	Santee														.13							2.04	.10					T.				.42	2.69
Florence 1 ||||	Pee Dee														T.							2.21										.36	2.57
Florence 2 ||||	do																					2.00	T.									.30	2.30
Garnett	Savannah				T.									T.					T		T.	.29	T.		.12	T.	T.	.03				.46	0.90
Georgetown	Coast																					.50											0.50
Kingstree ||||	Black					T.																1.35	.07									1.40	2.82
Oaks	do													T.					.28						T.						.36		0.64
Orangeburg	Edisto																					.90										.40	1.30
Paris Island	Coast													.02				.35		.01	1.98	1.20										.95	5.51
Pinopolis	Cooper																	.75	.12														0.87
Rimini ||||	Santee														.64							.65										.63	1.92
St. George ||||	Edisto														.05							.48	.02					.02				.35	0.92
St. Matthews ||||	Santee																					.82					.10					.55	1.47
Society Hill ||||	do																			.13	3.62											.22	3.97
Summerville	Ashley														T.					T.		.58	.12			T.		.12	T.	T.	.06	.50	1.38
Walterboro	Ashepoo																																
Yemassee ||||	do																		.05			.65				.17		.02				.80	1.69
Western Portion.																																	
Aiken	Edisto													.11							.33	.28				1.33	.15					.65	2.85
Anderson	Savannah													.17							1.25				.31	3.47	.12			.10	.47		5.89
Batesburg ||||	Edisto														T.						.57	.65			T.	.98	.07	.03				.69	2.99
Blairs ||||	Broad																				.06	1.36				.60	.40					1.00	3.42
Calhoun Falls ||||	Savannah														T.						.43	.46				2.02	1.05					.70	4.66
Camden ||||	Wateree																					.95					.13					.20	1.28
Catawba ||||	Catawba																				.10	1.32				.56	.06					.75	2.79
Chappells ||||	Saluda																				.55	.61				1.30	.07					.90	3.43
Clemson College	Savannah																				2.00				2.90	1.97				1.78	1.90		10.55
Columbia ***	Congaree													T.							.93	.04			.04	.09	T.	T.	T.		.31		1.41
Edgefield ||||	Savannah																				.30	.45				1.00	.20					.70	2.65
Gaston Shoals ||||	Broad													T.					T.	T.	.62	.98				1.31	1.73	.03	.01	T.	2.07	.74	7.39
Greenville ***	Saluda												T.	T.						.23	1.36				2.78	4.57	.44	.01	.07	1.33	.62		11.41
Greenwood ||||	do																									2.78	1.23	.05				.80	4.86
Heath Spring	Wateree																				1.06					.11					.90		2.01
Kershaw ||||	Lynches																			T.	.02	.98				.01	.12					.15	1.58
Landrum	Broad												.03								1.89				.16	5.15	1.16	.21	.03	2.21	1.31		12.15
Laurens ||||	Saluda													T.							1.28					1.65	4.72	.35			.95		8.95
Liberty	Savannah												T.	T.					T.	T.	1.20				.50	7.30	.25	.05	10	.05	.50		9.95
Little Mountain	Saluda																				1.40					.95	.12				.90		3.37
Meriwether	Savannah																																
Monetta	Edisto													T.							.57	.51			T.	1.12	.03				T.	.71	2.91
Newberry	Saluda													T.							.60	.50			.01	1.00	.02	.02		.06	T.	.94	3.15
Pelzer ||||	do													T.							.95	.70				4.32	2.40	.20		.06	.48	.40	9.51
Saluda	do																				1.35					.91						.50	2.76
Santuck	Broad												T.	T.							1.19					2.31	.22			.18	.33		4.23
Spartanburg ||||	do													T.							1.15	.30				1.25	2.75	.65	.03		1.56	.70	8.39
Trenton	Edisto																																
Walhalla	Savannah												.01	T.						T.	1.54				1.90	5.40	.26	.05	.08	2.46	2.21		13.91
White Oak	Broad																				.80	.65				.60	T.					1.40	3.45
Winthrop College	Catawba																					.70				1.57	.35					.55	3.17

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR OCTOBER.

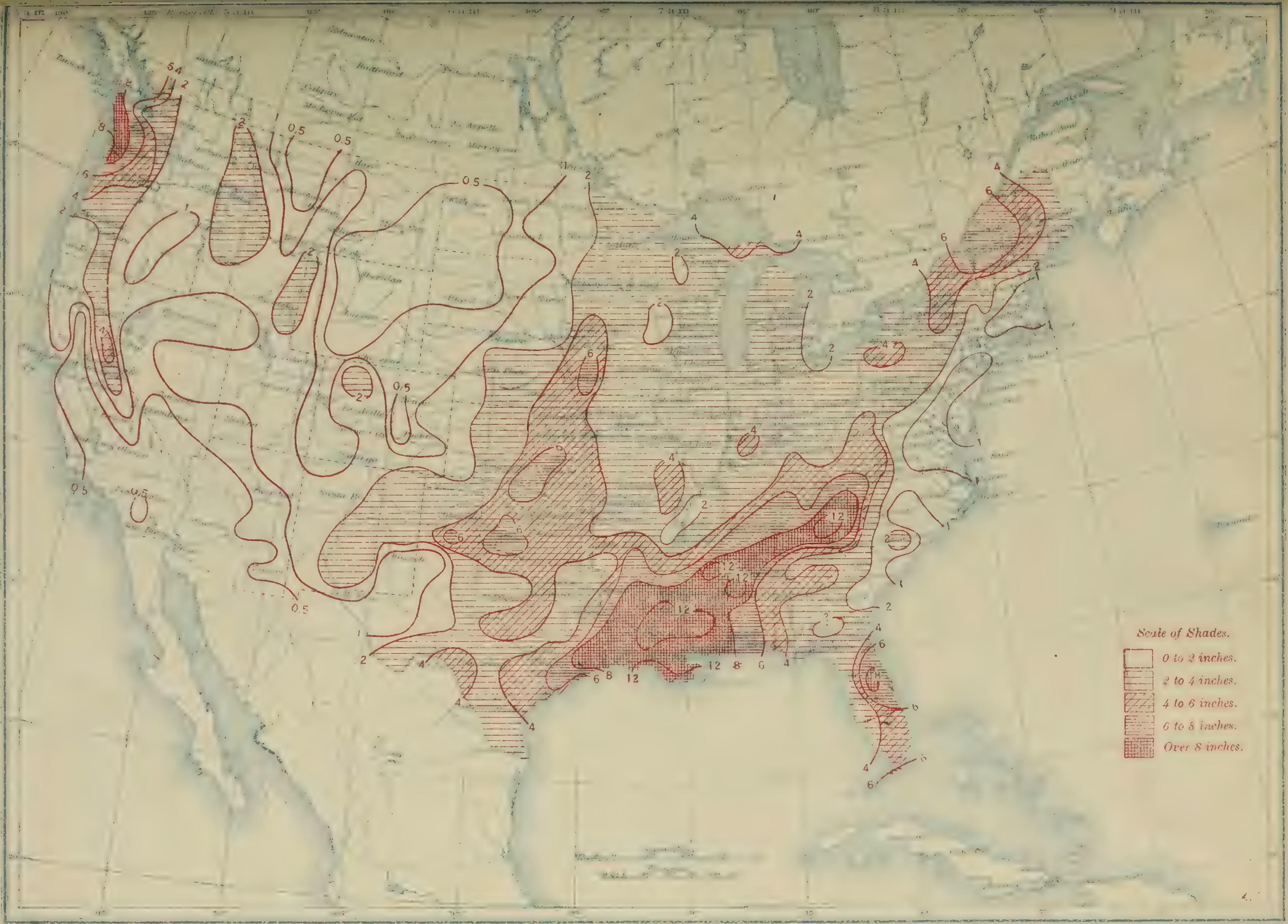
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.	Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.			Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	61.4	91	30	5.96	8				n.	1904	62.4	98	26	1.10	3	23	5	3	ne.
1888	59.3	88	31	4.18	7				sw.	1905	64.2	93	29	1.97	6	15	6	10	ne.
1889	60.8	88	27	1.65	3				n.	1906	61.9	90	24	3.69	7	14	6	11	ne.
1890	63.0	90	22	4.06						1907	61.2	91	28	0.73	3	19	7	5	ne.
1891	60.2	92	28	1.63					nw.	1908	62.0	89	35	4.22	6	19	6	6	ne.
1892	63.8	89	27	0.60					ne.	1909	61.2	96	27	2.43	5	23	5	3	ne.
1893	64.4	90	25	4.92	5	18	7	6	ne.	1910	66.5	100	22	4.39	6	20	7	4	ne.
1894	64.2	98	33	4.95	5	20	6	5	ne.	1911	67.5	99	37	5.89	8	12	9	10	ne.
1895	61.3	95	28	1.15	3	20	7	4	ne.	1912	65.0	94	32	2.21	5	18	4	9	ne.
1896	61.3	91	28	1.41	4	15	8	8	ne.	1913	62.5	95	28	3.56	6	19	6	6	ne.
1897	65.8	96	35	3.23	5	14	8	9	ne.	1914	64.7	92	26	3.44	8	13	7	11	ne.
1898	62.9	90	28	3.82	9	14	8	9	ne.	1915	67.0	93	27	4.95	8	18	7	6	ne
1899	64.2	91	34	5.09	6	14	7	10	ne.	1916	64.0	92	31	2.54	5	16	7	8	ne.
1900	67.6	95	33	3.65	9	13	7	11	ne.	1917	59.3	90	22	1.50	4	23	5	3	sw.
1901	62.4	92	29	0.89	3	22	6	3	ne.	1918	67.3	93	33	3.75	5	15	8	8	ne.
1902	63.2	95	30	4.40	7	19	5	7	ne.										
1903	62.0	93	25	2.63	5	18	6	7	n.	Period	63.3	100	22	3.14	6	17	7	7	ne.

Daily Temperatures for October, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	87	76	82	90	....	....	88	69	79	82	86	85	88	78	79	76	88	86	81	85	75	61	72	79	81	81	79	79	83	83	....	80.6
	Minimum	60	64	68	62	60	....	....	54	47	56	57	58	64	66	51	53	66	66	63	60	56	58	52	62	67	71	67	65	61	65	60	60.7
Blackville §	Maximum	71	89	85	88	89	89	90	76	77	74	85	85	90	85	70	85	98	90	85	85	80	76	77	82	86	87	83	89	76	83	80	82.8
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bowman	Maximum	82	75	85	84	85	89	85	70	74	76	80	85	82	75	72	75	80	80	78	74	70	78	79	80	85	82	81	85	84	85	75	79.7
	Minimum	55	54	56	55	58	60	59	49	44	40	58	53	58	50	44	44	50	52	53	54	53	51	46	48	50	60	59	65	60	61	59	52.9
Centenary	Maximum	76	71	82	81	86	89	80	72	73	80	84	86	78	72	74	80	82	84	73	79	75	73	74	79	82	83	82	87	84	87	79	79.6
	Minimum	58	61	65	61	69	63	63	49	45	41	45	55	62	58	44	40	51	59	59	54	63	51	45	58	65	59	61	58	58	64	62	56.3
Charleston	Maximum	80	75	78	79	81	86	85	69	74	74	76	80	83	78	70	73	77	82	72	75	76	70	70	75	78	77	75	78	78	81	77	76.8
	Minimum	68	66	67	68	69	66	66	56	56	56	62	67	68	63	56	61	64	70	65	60	67	60	56	70	71	68	68	68	70	73	57	64.6
Cheraw §§	Maximum	88	85	72	85	84	87	92	80	75	79	83	83	85	84	73	70	84	84	87	71	72	79	72	74	81	82	83	82	82	83	89	81.1
	Minimum	51	52	58	57	54	54	58	46	39	39	46	42	50	50	45	33	33	37	44	51	51	47	39	39	50	50	57	57	....	....	....	c47.2
Conway §§	Maximum	80	73	80	83	83	87	83	78	76	80	81	81	79	77	72	77	80	85	70	79	76	70	71	76	82	82	81	86	85	84	77	79.3
	Minimum	59	60	63	61	60	60	63	49	45	41	45	45	56	64	46	45	46	55	51	51	54	50	46	41	60	59	59	58	56	58	65	51.0
Darlington §§	Maximum	80	72	82	81	87	90	82	72	75	82	83	83	81	....	71	79	80	85	69	75	75	69	73	81	83	83	81	85	80	83	76	a79.3
	Minimum	[illegible]	59	60	60	57	62	63	47	43	41	43	50	60	60	46	39	46	46	56	53	58	48	42	47	57	61	60	61	58	62	61	53.6
Ferguson §§	Maximum	83	71	83	83	85	87	83	72	75	77	82	83	84	76	72	76	79	81	79	76	69	70	74	80	86	83	84	83	83	85	75	79.3
	Minimum	78	58	61	57	60	60	61	51	45	41	39	46	57	58	44	48	52	56	61	63	62	53	49	50	66	69	56	58	59	67	63	55.7
Florence 1 §§	Maximum	84	70	88	85	86	91	81	76	78	84	86	86	82	75	75	84	82	87	72	76	76	73	77	81	83	86	80	87	81	84	78	81.1
	Minimum	[illegible]	[illegible]	61	63	60	61	64	47	45	44	44	47	68	65	48	43	53	60	58	54	61	49	42	56	60	61	60	60	61	66	60	56.0
Garnett	Maximum	88	75	83	90	86	90	92	76	79	82	86	87	84	83	79	78	83	84	76	78	76	74	78	85	[illegible]	83	83	85	86	85	78	82.2
	Minimum	61	63	67	59	65	62	62	54	56	47	53	55	59	63	52	55	61	65	64	61	61	59	53	58	66	65	64	67	63	67	60	60.2
Georgetown	Maximum	[illegible]	84	83	80	86	90	[illegible]	[illegible]	79	82	[illegible]	87	84	82	77	78	82	88	83	83	80	80	72	78	86	83	85	86	85	86	80	82.9
	Minimum	61	64	64	61	62	63	[illegible]	51	50	46	45	57	61	67	49	51	57	66	62	56	65	53	49	59	67	66	64	58	58	65	64	59.0
Kingstree §§	Maximum	[illegible]	71	81	86	86	88	82	73	74	80	83	86	81	76	73	77	80	87	79	78	73	71	75	80	83	83	80	86	84	85	77	80.2
	Minimum	66	61	66	60	60	63	63	50	47	41	43	55	61	64	46	46	53	61	60	55	65	57	46	57	67	65	61	62	60	66	62	57.6
Oaks	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	81	78	87	....	87	....	72	82	79	72	78	80	85	....	87	90	88	90	82	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	60	63	63	....	56	....	62	55	45	53	43	58	63	....	60	60	56	65	....	....
Orangeburg §§	Maximum	83	79	85	85	86	90	90	81	75	80	83	84	86	79	75	76	81	85	83	78	72	70	74	81	84	83	79	86	84	84	77	81.3
	Minimum	55	59	62	63	59	58	61	49	43	40	....	....	....	....	46	48	54	63	61	60	60	54	53	56	69	65	65	69	63	67	61	d57.8
Paris Island §§	Maximum	82	84	82	87	87	88	74	70	76	77	86	86	82	78	72	74	74	82	69	79	81	70	81	79	81	80	78	83	83	81	76	79.3
	Minimum	68	65	66	67	69	67	69	56	52	58	63	65	65	68	58	62	64	64	60	62	65	63	57	59	72	69	68	69	68	71	61	64.4
St. George §§	Maximum	86	75	82	[illegible]	87	91	87	73	77	82	85	87	83	79	75	78	81	87	74	77	71	72	75	82	85	81	79	85	87	88	76	81.0
	Minimum	65	65	67	63	63	65	66	54	52	43	48	57	63	65	50	53	60	65	62	59	63	57	52	62	69	68	64	66	65	71	64	60.7
St. Matthews §§	Maximum	82	75	86	84	86	91	87	80	....	....	86	87	88	....	....	....	....	....	....	71	72	73	73	80	80	82	....	85	83	83	....	....
	Minimum	57	60	60	59	59	63	66	....	....	....	....	60	61	60	50	50	....	....	....	....	63	....	....	....	....	68	....	....	....	....	....	....
Society Hill §§	Maximum	80	71	86	....	....	91	80	72	75	80	82	85	83	71	70	78	82	85	68	72	76	67	70	79	80	82	80	83	78	83	76	b78.1
	Minimum	54	58	59	62	....	....	56	46	42	40	42	52	61	61	46	36	45	57	56	57	57	47	41	51	59	62	60	61	59	62	61	b53.1
Summerville	Maximum	82	[illegible]	79	82	82	83	82	71	71	75	82	79	79	77	72	73	78	82	75	76	74	70	74	77	79	79	76	81	80	81	76	77.4
	Minimum	63	64	65	62	65	62	65	51	50	[illegible]	62	57	61	65	49	54	60	65	63	58	66	55	51	60	65	65	61	64	61	66	61	60.2
Walterboro	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Yemassee §§	Maximum	86	76	82	85	85	87	90	[illegible]	78	80	83	85	82	81	77	78	81	81	78	79	77	71	78	78	82	82	79	84	84	84	76	80.9
	Minimum	[illegible]	63	63	59	65	62	64	54	48	45	55	55	55	[illegible]	50	55	61	66	58	58	65	58	53	62	65	65	64	62	66	68	60	59.3
Western Portion.																																	
Aiken	Maximum	84	83	84	85	86	88	87	82	72	80	83	84	83	76	75	78	78	83	82	69	73	72	73	77	81	81	78	82	81	79	76	79.8
	Minimum	61	60	61	64	70	62	66	52	49	53	67	63	65	63	51	52	60	63	59	55	57	55	50	58	65	66	66	65	75	69	55	60.5
Anderson	Maximum	[illegible]	81	89	78	84	89	84	69	71	82	83	79	71	75	69	80	79	80	71	56	75	61	65	68	69	74	75	78	71	72	68	73.2
	Minimum	58	57	56	63	60	61	60	50	47	45	47	61	61	55	47	45	[illegible]	59	51	48	53	50	44	53	59	62	62	62	63	61	46	55.3
Batesburg §§	Maximum	82	75	83	83	86	87	85	73	72	78	82	83	79	75	71	77	82	84	79	64	75	68	73	75	79	79	77	82	82	79	76	78.2
	Minimum	59	58	61	61	63	63	66	49	46	51	52	58	66	61	45	49	55	61	58	52	51	52	47	56	64	65	61	61	63	68	56	57.5
Calhoun Falls §§	Maximum	86	84	89	83	[illegible]	85	88	73	73	81	84	83	76	78	73	81	78	83	70	58	80	66	70	72	74	80	79	81	78	76	67	57.3
	Minimum	[illegible]	56	56	58	60	58	59	52	45	41	41	50	61	58	49	47	[illegible]	54	59	52	52	55	46	45	48	66	61	64	65	67	54	54.4
Camden §§	Maximum	....	....	88	87	89	....	....	....	78	84	85	84	....	78	75	82	81	85	74	67	80	72	75	81	81	85	79	86	88	84	75	f84.1
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clemson College	Maximum	77	87	80	77	82	83	83	73	62	72	77	75	74	80	70	70	73	74	70	62	73	77	64	70	75	72	72	74	75	73	72	74.1
	Minimum	55	59	51	....	....	59	57	55	51	43	45	55	63	57	42	53	49	56	55	51	54	53	46	61	57	63	63	64	64	63	52	b55.1
Columbia	Maximum	81	70	82	81	85	89	82	68	72	78	80	83	79	73	69	76	76	82	71	63	76	66	71	78	81	81	77	83	82	81	71	77.0
	Minimum	59	60	65	63	62	65	62	51	49	46	52	63	66	58	52	49	53	62	59	55	55	53	48	57	67	67	64	61	66	69	52	58.6
Greenville	Maximum	77	78	[illegible]	75	80	84	79	65	67	77	76	72	71	71	66	76	72	76	67	54	72	63	60	66	66	73	71	74	69	70	64	71.4
	Minimum	62	57	58	63	65	62	61	50	50	48	51	61	62	55	49	43	53	60	51	49	53	50	46	55	63	65	63	64	64	59	45	56.0
Greenwood §§	Maximum	[illegible]	76	80	79	81	86	82	68	68	76	....	....	....	....	....	....	....	....	....	....	....	....	79	71	75	76	73	79	76	75	72	....
	Minimum	[illegible]	56	59	61	50	61	62	50	44	48	....	....	....	....	....	....	....	....	....	....	....	....	43	[illegible]	63	65	63	64	66	65	53	....
Heath Spring	Maximum	79	74	78	78	79	82	85	82	78	78	81	75	76	74	71	72	73	78	81	77	75	72	67	74	72	71	70	80	75	74	72	75.9
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Kershaw §§	Maximum	83	75	82	82	86	90	82	72	78	83	82	86	82	76	72	79	79	88	76	67	78	70	70	78	86	82	78	83	77	79	78	78.9
	Minimum	55	58	62	63	56	63	63	46	43	45	45	57	65	53	47	40	49	58	55	54	55	47	40	52	65	65	60	61	64	67	58	55.2
Landrum	Maximum	81	81	85	79	83	89	81	71	72	78	80	72	73	74	70	80	78	81	71	60	78	80	65	66	66	71	72	69	67	70	69	74.3
	Minimum	[illegible]	57	53	57	[illegible]	56	58	46	40	40	43	55	51	51	40	38	42	54	52	48	51	50	49	51	59	63	61	63	62	62	59	52.3
Laurens §§	Maximum	80	77	81	75	81	84	79	66	69	76	77	78	72	68	73	72	75	80	61	56	74	64	66	73	72	78	74	79	72	76	67	73.4
	Minimum	51	56	54	55	57	56	56	50	41	[illegible]	61	[illegible]	56	44	38	39	44	49	56	52	53	52	41	49	56	56	62	64	65	65	56	52.6
Liberty	Maximum	80	80	88	77	82	87	80	78	72	78	79	75	73	74	68	75	77	78	73	58	68	67	64	63	71	70	73	73	76	72	71	74.0
	Minimum	57	58	58	64	61	63	62	52	[illegible]	[illegible]	47	62	65	51	51	50	50	59	55	55	56	52	47	56	55	65	64	65	65	63	51	56.7
Little Mountain	Maximum	81	81	86	80	83	88	83	[illegible]	77	80	80	80	75	73	78	83	80	80	75	70	75	75	80	74	77	74	75	74	80	75	....	a77.9
	Minimum	57	53	57	57	59	63	66	50	45	50	54	61	60	60	50	45	52	50	45	47	50	51	45	54	64	62	65	64	65	55	....	a55.2
Meriwether	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Monetta	Maximum	84	71	85	83	87	89	85	77	73	80	83	82	79	75	70	78	86	83	79	64	75	72	71	75	79	80	77	83	83	80	76	78.7
	Minimum	58	59	62	63	62	61	65	52	47	36	50	59	64	63	50	50	56	62	59	54	57	53	48	57	65	67	62	65	65	70	57	58.3
Newberry	Maximum	[illegible]	78	83	83	86	90	85	70	71	80	82	83	79	73	71	77	79	83	75	61	76	67	70	74	79	82	78	82	75	72	72	77.5
	Minimum	57	55	63	60	57	59	59	50	41	44	47	58	63	57	47	42	40	59	56	53	55	52	45	56	64	68	63	65	67	68	55	56.1
Saluda	Maximum	85	76	85	85	88	91	87	75	74	80	83	83	80	76	72	79	80	85	77	63	77	73	73	75	74	80	77	82	80	80	75	79.0
	Minimum	50	56	57	53	55	57	54	51	37	[illegible]	41	57	60	61	[illegible]	38	48	55	57	53	54	53	44	55	54	64	60	65	66	64	55	53.5
Santuck	Maximum	81	77	84	79	84	89	81	70	71	86	82	81	79	73	70	77	78	83	70	69	76	66	68	75	78	80	76	81	72	77	69	76.4
	Minimum	55	54	55	59	57	60	61	48	42	42	46	58	64	57	43	40	47	57	53	51	53	47	42	53	64	65	60	63	66	65	51	54.2
Spartanburg §§	Maximum	81	80	85	78	85	88	82	72	72	82	81	77	77	74	71	79	76	78	60	58	77	71	66	72	72	75	74	76	73	74	70	75.4
	Minimum	54	54	58	61	61	59	49	43	43	45	48	58	57	45	[illegible]	39	46	55	50	50	50	42	42	53	60	61	61	64	63	52	52	51.4
Trenton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Walhalla	Maximum	76	80	80	79	83	89	86	78	76	80	70	77	73	77	62	78	79	80	74	58	79	70	66	60	77	69	71	70	68	72	66	74.8
	Minimum	54	57	55	58	59	54	52	52	43	42	44	59	63	51	45	40	50	58	54	50	54	51	40	55	60	65	63	64	64	64	47	54.0
White Oak	Maximum	82	77	84	82	86	89	77	71	72	84	82	79	79	76	71	79	86	83	75	61	76	69	70	76	78	79	73	81	75	79	77	77.5
	Minimum	57	56	61	61	59	62	64	43	45	51	50	61	66	60	[illegible]	44	51	61	54	53	54	48	42	54	64	66	60	64	64	65	55	56.7
Winthrop College	Maximum	79	77	86	81	84	88	79	70	72	81	81	78	79	72	71	79	79	82	75	60	56	67	71	75	78	78	75	81	75	78	71	76.1
	Minimum	55	54	70	61	56	61	63	48	42	46	55	59	65	65	45	41	49	60	52	57	52	48	41	54	63	65	67	68	65	64	55	56.3

Reference letters, (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.

1.05
NSC

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

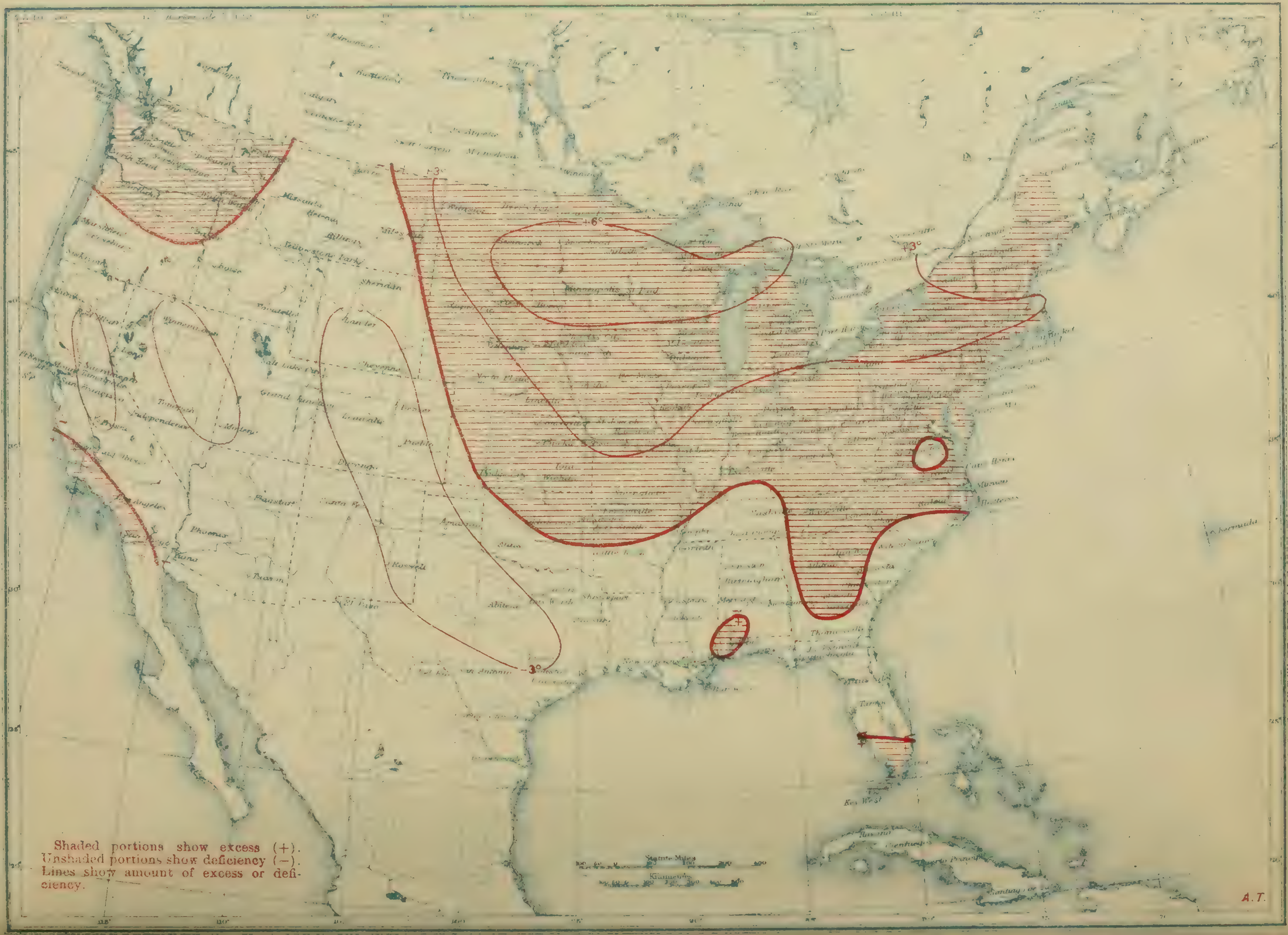
SOUTH CAROLINA SECTION

NOVEMBER, 1918.

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
January 4, 1919

Departure of the Mean Temperature from the Normal, November, 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.
RICHARD H. SULLIVAN. Meteorologist.

VOL. XXI. COLUMBIA, S. C., NOVEMBER, 1918 No. 11.

GENERAL SUMMARY.

Thermal conditions were somewhat below the seasonal average, but with no marked extremes. While the precipitation was above normal on the whole, the bulk of the month's rainfall did not occur until after the 22d.

Agricultural operations were confined principally to corn and forage gathering, cotton picking, and wheat planting. Wheat, oats, and rye had reached good to excellent stands in large areas by the close of the month, but wheat planting was materially retarded by dry weather during the first three weeks. Practically one-third of the cotton crop remained to be picked at the end of the month, and the yield has been materially increased by an unusually late season. Heavy to killing frosts were quite general about the 13th and 14th, and again about the 25th, but vegetation appears to have reached maturity before material damage could be done. At the close of the month the woods were only about half bare in the central counties and on the coastal plain.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 30.11 inches. The highest pressure in the region covered by reports was 30.53 inches at Asheville, N. C., on the 6th, and in the Section proper, 30.52 inches at Columbia on the same date; the lowest pressure was 29.57 inches at Charlotte, N. C., on the 18th, and in the Section proper, 29.60 inches at Greenville on the same date.

TEMPERATURE

The monthly mean for the Section, determined from reports of 42 stations, was 53.0°, or 0.7° below the established normal. The highest temperature was 86° at Blackville, Barnwell County, on the 16th and at Walterboro, Colleton County, on the 17th The warmest periods of the month were during the first week and between the 16th and 23d. The lowest temperature was 26° at Bowman, Orangeburg County, on the 14th. The coldest periods of the month were between the 12th and 15th and between the 24th and 26th, when killing frosts were quite general over the central and northwestern counties.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 82%; 8 p. m., 66%. The highest percentages occurred over the Savannah watershed and the extreme eastern counties, and the lowest, from the middle coast to the central counties.

PRECIPITATION.

The average for the Section, 57 stations reporting, was 3.13 inches, or 0.85 inch above the established normal. The first half of the month was rainless; there were two rainy periods during the last half, and the bulk of the rainfall for the month occurred after the 22d, with copious to heavy rains up-State toward the close, which were followed by moderate freshets in several rivers of the Santee System. The precipitation was fairly well distributed as to amount and was near or above normal in most of the Section. In a small area of the northeastern counties the measurements were below 2 inches, but in a large area of the coastal plain and the western counties the amounts ranged from 3 to over 4 inches. The greatest local monthly amount was 5.89 inches at Paris Island, Beaufort County; least amount, 1.33 inches at Centenary, Marion County. The greatest amount during any 24 hours was 2.80 inches at Paris Island, Beaufort County, on the 22d. The number of rainy days was 40% above normal.

Light snows and sleet occurred in several northwestern counties on the 24th.

A small well-defined tornado appeared near Hampton, Hampton County, about 6:30 p.m., on the 17th, resulting in the death of A. D. Thomas, Jr., a small boy; injury to 8 persons, and property damage estimated at $15,000. The storm moved eastward about 12 miles, between Hampton and the Salkahatchie River, in a path about 150 feet wide.

WIND.

The prevailing wind was from the northeast. The average hourly velocity, determined from 8 anemometer records, was 7.6 miles. The highest average velocity in the region covered by reports was 10.5 miles per hour at Charleston; the lowest average velocity was 4.8 miles per hour at Charlotte, N. C., and in the Section proper, 6.7 miles per hour at Columbia. The highest velocity for any 5-minute period was 35 miles per hour from the southwest at Greenville on the 17th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 206.7 hours, or 66% of the possible amount. The average number of clear days was 18; partly cloudy, 3, and cloudy, 9, as against normals of 17, 6, and 7 days, respectively.

RIVER CONDITIONS.

The flood waters in the several rivers of the Santee System, incident to the late October rains, finally passed Rimini on November 10 and Ferguson on November 12. The total losses approximated $387,400, and the value of movable property saved by timely warnings was conservatively estimated at about $83,300. A moderate freshet occurred in the Santee River between the 20th and the 23d. The Saluda River was in flood on the 29th and 30th, and the Wateree River at Camden was in flood on the 30th, incident to heavy rains over the upper reaches on the 28th, 29th and 30th.

MISCELLANEOUS PHENOMENA. (dates).

Halos.—Lunar: Columbia, 16; Walhalla, 15. *Solar:* Columbia, 9, 25; Liberty, 2.

Frost.—Killing: Number of stations: 2d, 3; 3d, 3; 8th, 3; 13th, 13; 14th, 7; 25th, 2.

MISCELLANEOUS DATA FOR NOVEMBER, 1918.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.14	46.2	72	28	1.78	0.97	8.9	nw.	85	62	60
Augusta, Ga.......	30.12	54.6	80	35	3.51	1.82	5.5	nw.	87	76	68
Charleston, S. C...	30.10	56.6	77	42	2.34	0.57	10.5	n.	74	71	65
Charlotte, N. C ...	30.11	50.7	75	31	3.23	1.67	4.8	ne.	84	62	66
Columbia, S. C....	30.12	53.1	79	33	2.15	1.22	6.7	ne.	81	64	66
Greenville, S. C...	30.10	50.6	69	33	3.18	1.85	6.9	ne.	80	66	72
Savannah, Ga.....	30.10	55.8	79	41	4.66	1.73	9.9	ne.	79	72	65
Wilmington, N. C.	30.19	54.4	77	37	2.62	1.22	7.3	n.	83	69	66
Means and extremes	30.11	52.9	80	28	3.35	1.85	7.6	ne.	82	69	66

Climatological Data for November, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip'n (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	29	......	......	......	......	......	......	......				......			......	......	......	R. B. Vance.
Blackville	Barnwell	296	29	......	......	86	16	......	......	......	3.32	+1.27	1.10	0	5	20	3	7	......	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	17	52.3	−1.9	80	† 1	26	14	52	4.30	+2.33	2.40	0	7	16	7	7	w.	B. O. Evans.
Centenary	Marion	43	3	^{a}52.6	......	^{a}84	18	^{a}31	†14	^{a}43	1.33	......	0.48	0	5	16	5	9	ne.	D. L. Carmichael.
Charleston	Charleston	48	47	56.6	−1.5	77	16	42	13	22	2.34	−0.53	0.57	0	8	18	2	10	n.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	28	......	......	......	......	......	......	......	2.47	+0.28	1.46	0	5	......	......	......	......	Roland D. Powe.
Conway	Horry	25	32	52.4	−1.7	80	17	30	14	42	3.56	+1.28	0.93	0	9	21	0	9	ne.	Paul Quattlebaum.
Darlington	Darlington	175	23	^{a}53.0	+0.9	^{a}80	17	^{a}32	† 3	^{a}42	2.40	+0.12	0.62	0	7	17	12	1	......	D. C. McCall.
Edisto ‡‡	Bamberg	143	30	......	......	......	......	......	......	......	3.19	+0.88	0.62	0	9	......	......	......	......	Nathan Jenkins.
Effingham	Florence	106	25	......	......	......	......	......	......	......	2.44	+0.20	1.32	0	6	......	......	......	......	Wm. B. Gillespie.
Ferguson	Orangeburg	63	32	53.2	−1.9	83	17	30	14	40	3.67	+1.29	0.74	0	10	19	4	7	ne.	Henry C. Savage.
Florence 1	Florence	136	29	53.2	−0.6	82	17	34	25	40	1.68	−0.43	0.81	0	4	20	1	9	ne.	H. K. Gilbert.
Florence 2	....do	136	3	......	......	......	......	......	......	......	1.77	−0.34	0.90	0	4	20	2	8	ne.	Pee Dee Experiment Sta.
Garnett	Hampton	82	....	55.0	......	83	17	28	14	49	4.25	......	1.50	0	9	15	7	8	ne.	Maner B. Robert
Georgetown	Georgetown	12	23	57.0	+1.0	82	23	31	15	49	3.55	+1.12	2.00	0	6	20	3	7	ne.	A. P. Hazard.
Kingstree	Williamsburg	54	29	53.6	−1.2	82	17	31	14	46	2.36	+0.18	1.20	0	6	19	1	10	e.	W. H. Matthews.
Oaks	Georgetown	......	3	......	......	83	16	^{a}31	15	......	3.80	......	1.25	0	8	......	......	......	......	O. M. Mitchell.
Orangeburg	Orangeburg	264	2	54.0	......	84	†15	29	14	45	2.67	......	0.75	0	7	18	1	11	ne.	U. S. Fisheries Station.
Paris Island	Beaufort	13	....	57.6	−1.0	79	†10	42	25	31	5.89	+3.65	2.80	0	8	19	0	11	n.	U. S. Marine Corps.
Pinopolis **	Berkeley	54	68	53.8	−0.8	78	16	38	† 3	......	4.85	+2.35	1.30	0	7	16	4	10	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	4	......	......	......	......	......	......	......	2.12	......	0.50	0	10	......	......	......	......	William B. Wolfe.
St. George	Dorchester	109	29	56.2	+1.0	84	17	31	14	40	3.56	+1.61	1.00	0	7	19	2	9	nw.	Miss Una T. Whiteside.
St. Matthews	Calhoun	62	22	^{a}54.4	−0.1	^{a}82	17	32	14	^{a}44	2.74	+0.60	1.03	0	6	18	3	9	ne.	J. S. Wannamaker.
Society Hill	Darlington	192	26	51.5	−0.7	78	17	30	15	43	2.57	+0.30	0.73	0	8	19	2	9	n.	A. H. Rogers.
Summerville	Dorchester	75	20	53.8	−1.6	78	16	33	14	42	4.07	+1.72	1.57	0	10	14	11	5	e.	Miss E. H. Gadsden.
Walterboro	Colleton	69	15	^{b}56.6	−0.3	^{b}86	17	^{b}29	14	^{b}47	4.17	+2.28	1.61	0	7	20	1	9	......	J. N. Frank.
Yemassee	Hampton	24	22	55.2	+0.1	83	17	29	14	48	3.38	+1.32	0.91	0	6	20	1	9	ne.	W. C. Hutson.
Division means and	extremes	......	....	54.3	−0.4	86	17	26	14	52	3.06	+2.91	2.80	0	7	18	3	9	ne.	
Western Portion.																				
Aiken	Aiken	527	57	57.2	+3.3	80	17	36	†13	37	3.34	+0.63	1.39	0	7	20	0	10	ne.	Frank B. McCoy.
Anderson	Anderson	764	22	51.8	−1.0	75	† 4	30	25	38	3.27	+0.47	1.75	0	6	18	1	11	e.	H. H. Russell.
Batesburg	Lexington	656	29	52.2	−1.5	76	17	34	†13	37	3.57	+0.99	1.31	0	10	18	4	8	n.	E. J. Hite.
Blairs	Fairfield	293	15	......	......	......	......	......	......	......	2.64	+0.30	1.95	0	8	......	......	......	......	J. N. Owens.
Calhoun Falls	Abbeville	508	25	51.8	......	76	† 8	31	†13	40	4.34	+2.03	2.02	0	8	15	3	12	ne.	L. M. Parker.
Camden	Kershaw	222	58	......	......	80	†16	......	......	......	2.51	+0.06	1.30	0	10	20	2	8	ne.	W. C. Brown.
Catawba	York	562	14	......	......	......	......	......	......	......	3.73	+1.29	1.72	T.	5	......	......	......	......	James C. Faris.
Chappells	Newberry	402	14	......	......	......	......	......	......	......	3.45	+1.06	2.20	0	6	......	......	......	......	J. J. Murran.
Clemson College	Oconee	850	26	51.2	+0.8	79	18	29	24	44	3.00	+0.24	2.20	0	2	21	3	6	se.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	31	53.2	−0.6	79	17	33	25	33	2.15	−0.08	1.22	0	7	15	6	9	ne.	U. S. Weather Bureau.
Edgefield	Edgefield	......	4	......	......	......	......	......	......	......	2.67	......	0.85	0	10	......	......	......	......	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	5	......	......	......	......	......	......	......	2.68	+0.11	1.27	T.	5	......	......	......	......	S. C. Lt., Power & Ry. Co.
Greenville	Greenville	1039	25	50.6	+0.9	69	4	33	13	27	3.18	0.00	1.85	0.3	8	14	8	8	ne.	U. S. Weather Bureau.
Greenwood	Greenwood	671	29	51.2	−0.8	74	17	32	†13	34	3.90	+1.15	1.17	0	5	20	1	9	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	17	^{i}53.1	+2.2	^{i}71	† 8	^{i}33	24	35	2.90	+0.23	1.55	0	4	11	15	4	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	2	52.4	......	80	17	30	25	40	2.66	......	1.59	0	7	21	2	7	ne.	John W. Hamel.
Landrum	Spartanburg	1063	3	50.2	......	74	8	29	13	41	3.04	......	1.92	T.	6	20	3	7	......	R. Hartwell Wilds, D.D.S.
Laurens	Laurens	589	....	48.9	......	75	17	29	†13	38	4.08	......	2.00	T.	3	17	7	6	......	Perry A. Simpson.
Liberty	Pickens	900	19	50.8	+0.1	71	† 4	31	18	37	3.63	+0.84	2.00	0.2	6	20	5	5	sw.	John T. Boggs.
Little Mountain	Newberry	711	25	52.0	−1.8	75	10	32	†13	33	3.24	+0.73	1.95	0	4	24	1	5	e.	J. M. Sease, M. D.
Meriwether	McCormick	450	15	^{c}52.0	−0.7	^{c}78	† 9	^{c}30	†14	^{c}42	3.71	+1.03	1.74	0	5	......	......	......	......	Mrs. Marie R. Middleton.
Monetta	Saluda	400	11	53.8	−0.6	77	17	32	25	36	3.22	+1.05	2.00	0	7	18	6	6	ne.	Joseph M. Johnson.
Newberry	Newberry	502	15	52.6	+0.8	77	17	30	25	38	2.97	0.00	2.20	0	6	19	2	9	w.	Warren G. Peterson.
Pelzer	Anderson	850	14	......	......	......	......	......	......	......	3.12	+0.57	1.80	0	7	......	......	......	......	Joshua Y. Jones.
Saluda	Saluda	536	17	50.5	−2.5	76	16	27	12	45	2.68	+0.15	1.52	0	6	18	3	9	n.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	25	50.8	−0.3	76	17	30	25	38	3.98	+1.17	2.00	0	7	16	6	8	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	35	51.8	+1.1	77	18	31	13	38	3.29	+0.42	1.61	T.	6	......	......	......	......	F. P. Robinson.
Trenton	Edgefield	620	29	......	......	......	......	......	......	......	2.40	......	......	......	7	......	......	......	......	Mrs. S. E. Long.
Walhalla	Oconee	1061	15	50.5	......	75	4	29	25	41	3.52	+1.11	1.76	0	6	16	7	7	se.	H. W. Brandt.
White Oak	Fairfield	548	2	52.8	−0.1	77	17	33	25	35	3.01	+0.77	1.92	0	5	22	2	6	n.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	52.0	+0.3	77	9	30	25	38	3.16	+0.80	2.16	0	2	18	7	5	s.	W. P. Goodman.
Division means and	extremes	......	....	51.9	−0.2	80	†16	27	12	45	3.19	+0.59	2.20	T.	6	18	4	8	ne.	
Section means and	extremes	......	....	53.0	−0.7	86	†16	26	14	52	3.13	+0.85	2.80	T.	7	18	3	9	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Blacksburg; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for November, 1918.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ||||	Savannah																																......
Blackville ||||	Edisto																	.50							1.10		.42		1.05		.25		3.32
Bowman	....do																		T.				.23	.44	.23	.28	.34	2.40	.38				4.30
Centenary	Pee Dee																T.	T.	.20				T.	T	.48		T.	.08	.42		.15		1.33
Charleston ***	Coast																.03	.15					T.	.20	.42		.42	T.	.55	.17	.40		2.34
Cheraw ||||	Pee Dee																	T.	.31				T.		.16	.37		.17		1.46			2.47
Conway ||||	Waccamaw																	.79	.08				T.	.09	.50	.93		.16	.14	.33	.54		3.56
Darlington ||||	Pee Dee																	.06	.62				T.		.45	.37	T.	.08	.40	.42	T.		2.40
Edisto ||||	Edisto																		.21					.17	.50	.30	.30	.35	.24	.50	.62		3.19
Effingham ||||	Lynches																		.14					.05	.12	.81			.40	.92			2.44
Ferguson ||||	Santee																T.	T.	.32				.02	.12	.61	.74	.30	.21	.13	.62	.60		3.67
Florence 1 ||||	Pee Dee																		T.						.81		.07	.11	.69				1.68
Florence 2 ||||	....do																						T.			.90		.10	.12	.65			1.77
Garnett	Savannah																.09	T.					.07	.33	1.50	T.	.59	.07	.88	.02	.70		4.25
Georgetown	Coast																						T.	.40	2.00		.20	.20	.50	.25			3.55
Kingstree ||||	Black																								.40	.80		.17	.13	.38	.48		2.36
Oaks	....do																T.	.33	.41					.24	1.25	.12	.18	.61		.66			3.80
Orangeburg	Edisto																		.70					.15	.40		.28	.09	.75		.30		2.67
Paris Island	Coast																	.11					2.80	.26	.46		.66	.24	.36		1.00		5.89
Pinopolis	Cooper															.20		.70	*					*	1.25		*	*	*	1.40	1.30		4.85
Rimini ||||	Santee																	.06	.16				.03		.50	.24	.15	.14	.30	.34	.20		2.12
St. George ||||	Edisto																							.40	1.00	.02	.40	.10	.97		.67		3.56
St. Matthews ||||	Santee																		1.03						.80	.09	.14		.16	.52			2.74
Society Hill ||||	....do																	.05	.51				.06		.73		.06	.03	.64	.49			2.57
Summerville	Ashley																.03	.01	.20				T.	.49	1.57		.50	.14	.52	.06	.55		4.07
Walterboro	Ashepoo																		.02					.47	1.61		.37	.16	.81		.73		4.17
Yemassee ||||	....do																						T.	T.	.91	.63	T.	.64	.33	.24	.63		3.38
Western Portion.																																	
Aiken	Edisto																	.40						.19	.81		.22	.18	1.39		.15		3.34
Anderson	Savannah																.34	.72						.14	.25		.07		1.75				3.27
Batesburg ||||	Edisto																	.21	.03				.09	.02	.67		.06	.16	1.31	.93	.09		3.57
Blairs ||||	Broad																	.04	.24						.20	.15	.02	.04	1.08	.87			2.64
Calhoun Falls ||||	Savannah																	2.02	.02				T.	.12	.23	.03	.04		1.65	.23			4.34
Camden ||||	Wateree																	.05	.20				.07	.05	.30	.04	.03	.07	.40	1.30			2.51
Catawba ||||	Catawba																	1.02	.66						.33				.52	1.20			3.73
Chappells ||||	Saluda																	.55	.25						.35		.10		1.60	.60			3.45
Clemson College	Savannah																.80												2.20				3.00
Columbia ***	Congaree																.01	.08				T.	T.	T.	.70		.12	.01	1.22	.01			2.15
Edgefield ||||	Savannah																	.10	.20					.10	.45	.15	.12	.10	.85	.48	.12		2.67
Gaston Shoals ||||	Broad																	1.27	.05						.03				1.22	.11			2.68
Greenville ***	Saluda																.91	.24	T.			.01		.07	.09		.01	.01	1.84				3.18
Greenwood ||||	....do																	1.17							.32			.20	1.15	1.06			3.90
Heath Spring	Wateree																	.95					.06		.34				1.55				2.90
Kershaw ||||	Lynches																	.17	.44				.07		.25	.14			.40	1.19			2.66
Landrum	Broad																.11	1.88					.07	.02	.04				1.92				3.04
Laurens ||||	Saluda																	2.00							.30			1.78					4.08
Liberty	Savannah																.95	.55					.04	.05	.04	T.	T.		2.00				3.63
Little Mountain	Saluda																	.72								.45	.12		1.95				3.24
Meriwether	Savannah																	.60					.40			.59	.38		1.74				3.71
Monetta	Edisto																	.14						.10	.69		.14	.08	2.00		.07		3.22
Newberry	Saluda																T.	.30	.03				.02		.34		.08		2.20				2.97
Pelzer ||||	....do																	1.08					.02	.06	.14	.02	T.		1.40	.40			3.12
Saluda	....do																.25	.06			.17	.52					.16		1.52				2.68
Santuck	Broad																.09	1.48	.09				.06		.24		.02		2.00				3.98
Spartanburg ||||	....do																1.42	.06					.05	.05	.10		T.		1.61				3.29
Trenton	Edisto																	*						*	*		*	*	*		*		2.40
Walhalla	Savannah																.36	1.10				T.	.02	.16	.12		T.		1.76				3.52
White Oak	Broad																	.25	.47						.34		.03	T.	1.92				3.01
Winthrop College	Catawba																	1.00											2.16				3.16

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR NOVEMBER.

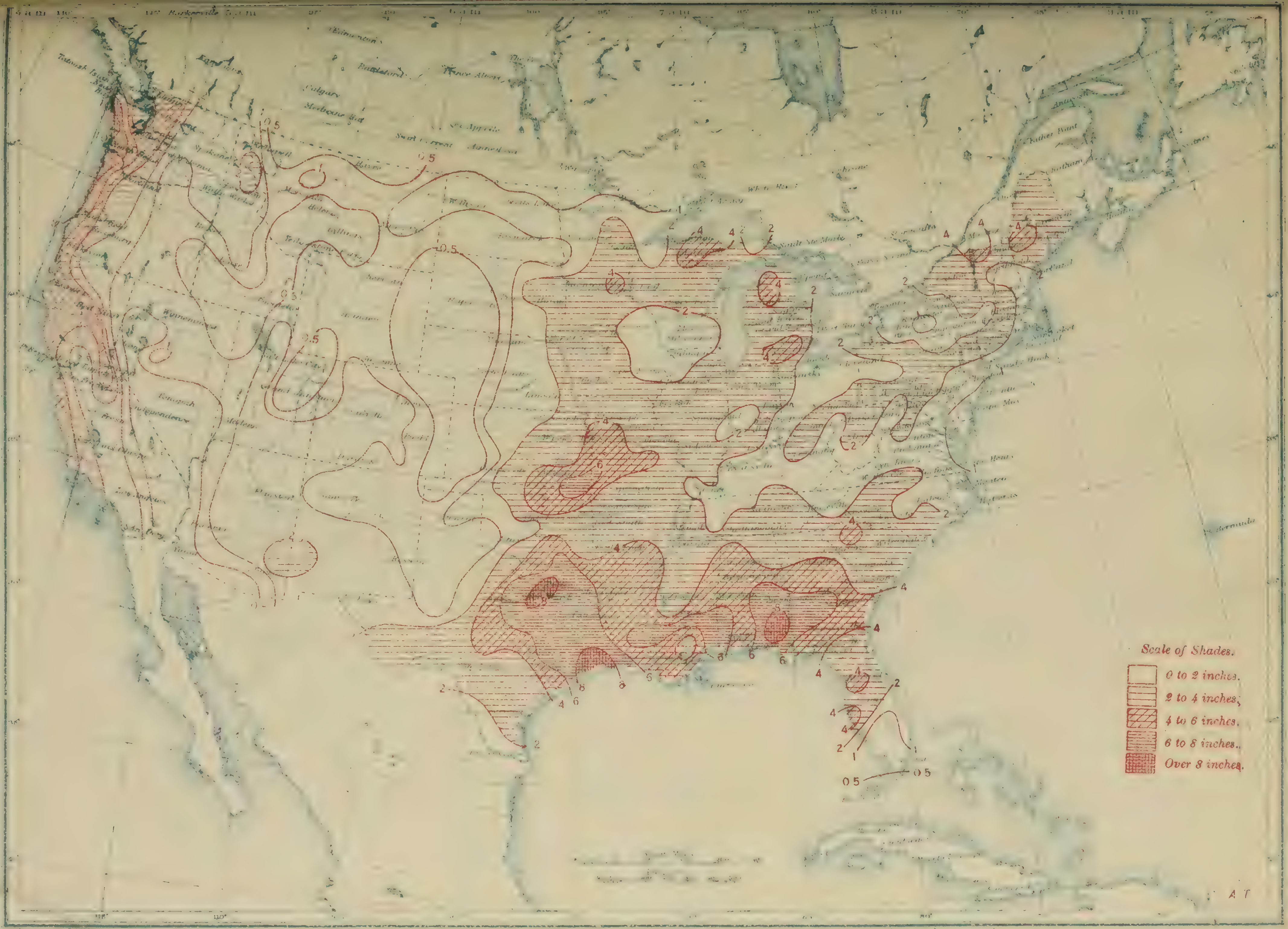
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.	Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.			Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	52.3	78	18	0.82	4				nw.	1904	51.6	80	22	2.78	6	17	6	7	w.
1888	52.7	82	22	2.77	8					1905	54.5	90	21	1.31	3	17	6	7	sw.
1889	54.8	84	18	3.84	6				w.	1906	53.8	89	20	0.96	3	18	8	4	ne.
1890	58.4			0.64						1907	52.2	87	24	4.13	10	12	7	11	ne.
1891	51.9	82	15	2.48					ne.	1908	56.6	88	24	1.60	3	16	10	4	sw.
1892	53.9	86	14	1.96					sw.	1909	58.3	88	20	0.97	3	18	9	3	sw.
1893	52.9	87	15	2.11	5	14	8	8	ne.	1910	51.1	85	24	1.04	4	20	6	4	w.
1894	52.3	83	17	2.02	4	18	7	5	nw.	1911	51.2	83	19	3.30	8	13	10	7	ne.
1895	54.4	88	21	2.35	6	12	8	10	ne.	1912	52.1	84	17	2.71	4	22	4	4	w.
1896	59.1	90	26	4.00	7	12	8	10	ne.	1913	53.5	89	18	1.79	2	21	5	4	w
1897	55.3	88	23	1.99	5	16	7	7	sw.	1914	52.4	86	17	3.33	6	19	4	7	w.
1898	51.0	82	14	4.72	10	14	6	10	ne.	1915	56.3	88	24	2.36	4	22	4	4	w.
1899	55.0	86	22	2.41	5	16	6	8	ne.	1916	54.5	88	17	1.21	4	18	5	7	ne.
1900	55.6	92	22	3.32	6	13	8	9	sw.	1917	50.4	83	16	0.82	4	21	4	5	ne.
1901	48.2	85	17	1.01	5	21	4	5	n.	1918	53.0	86	26	3.13	7	18	3	9	ne.
1902	59.2	89	22	3.80	6	13	7	10	ne.										
1903	50.9	86	10	1.40	5	14	8	8	n.	Period	53.7	92	10	2.28	5	17	6	7	ne.

Daily Temperatures for November, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Blackville §	Maximum	65	67	66	69	68	70	72	75	79	80	81	80	76	74	80	86	85	75	75	65	65	63	61	60	59	63	70	69	60	65	....	70.8
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bowman	Maximum	80	70	65	68	75	74	65	70	77	78	70	68	65	68	70	80	80	75	65	62	60	62	56	50	49	50	55	68	69	65	....	67.0
	Minimum	35	35	29	35	34	33	30	29	34	49	40	38	30	26	28	35	60	55	42	40	29	35	34	35	37	38	40	50	54	49	....	37.6
Centenary	Maximum	66	60	63	73	65	64	64	71	75	75	68	60	64	70	74	77	....	84	64	68	65	52	51	43	61	50	64	72	70	57	....	[a]65.2
	Minimum	44	35	32	32	42	41	36	32	39	47	44	40	38	31	31	46	....	55	44	37	32	47	38	35	36	38	42	48	52	42	....	[a]39.9
Charleston	Maximum	62	61	64	71	67	64	60	65	72	74	63	61	61	65	68	77	73	68	64	66	61	62	50	49	61	54	60	72	64	54	....	63.8
	Minimum	48	48	51	50	52	47	46	45	50	55	50	45	42	46	51	60	66	53	47	46	45	50	44	43	44	48	46	56	54	50	....	49.3
Cheraw §§	Maximum	....	....	....	....	....	....	....	....	....	77	63	62	65	67	76	79	60	60	64	59	53	51	41	60	48	51	72	66	50	48	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	39	34	33	35	38	52	67	53	45	42	38	41	40	37	35	44	44	52	40	47	....	....
Conway §§	Maximum	64	64	67	73	66	66	66	73	74	77	64	64	65	69	73	78	80	65	63	64	63	53	42	48	60	50	63	72	64	53	....	64.8
	Minimum	44	36	34	35	41	41	37	31	38	42	45	34	37	30	31	35	56	56	45	38	34	39	40	36	37	37	41	44	53	50	....	39.9
Darlington §§	Maximum	65	64	68	75	67	62	67	71	76	78	65	....	72	70	74	78	80	65	60	67	64	50	55	42	64	48	70	72	65	56	....	[a]65.9
	Minimum	42	36	32	34	43	38	35	33	40	46	43	40	....	32	32	41	50	53	44	40	35	40	40	35	33	38	41	43	51	49	....	[a]40.0
Ferguson §§	Maximum	63	65	65	74	67	66	65	73	75	77	63	61	64	68	70	76	83	65	62	61	64	58	60	61	62	49	63	71	61	57	....	65.6
	Minimum	44	40	35	36	38	44	42	33	36	43	41	43	38	30	32	37	51	55	46	36	34	48	41	38	40	39	42	44	51	49	....	40.9
Florence 1 §§	Maximum	67	64	69	71	69	68	67	68	72	82	63	61	67	74	76	77	82	68	64	67	65	51	54	45	62	49	48	72	66	54	....	65.4
	Minimum	43	37	36	36	48	40	38	35	41	44	44	44	38	36	44	48	49	44	40	39	42	41	39	36	34	40	44	42	51	40	....	41.1
Garnett	Maximum	65	66	70	75	73	68	68	75	76	80	71	63	65	72	77	80	83	78	65	70	67	61	58	47	64	54	56	72	69	56	....	68.1
	Minimum	37	36	36	34	40	42	40	30	38	40	46	42	34	28	31	56	68	53	43	43	31	47	43	40	44	41	44	53	54	49	....	42.0
Georgetown	Maximum	78	67	71	78	71	71	68	74	79	80	79	68	68	72	73	80	79	73	66	70	68	68	82	47	63	62	65	72	70	69	....	71.0
	Minimum	43	38	38	38	43	42	40	32	38	46	46	43	39	32	31	53	66	57	43	43	38	41	40	39	42	41	41	50	50	57	....	43.0
Kingstree §§	Maximum	66	61	66	73	66	65	64	72	75	76	66	61	63	69	74	78	82	74	63	66	63	59	51	46	60	55	58	72	70	57	....	65.7
	Minimum	42	37	34	34	42	40	38	32	37	45	46	41	36	31	32	48	66	55	45	38	35	48	40	37	37	40	41	49	52	49	....	41.6
Oaks	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	70	70	80	83	77	73	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	43	36	33	35	....	....	....	....	....	....	....	43	39	32	31	47	62	56	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Orangeburg §§	Maximum	67	62	65	74	68	66	63	74	76	78	67	61	64	70	84	84	84	75	62	68	64	57	56	51	62	61	59	70	69	57	....	67.3
	Minimum	40	36	34	34	41	37	36	33	38	43	48	39	33	29	32	50	55	52	46	42	34	50	39	37	38	40	40	51	49	49	....	40.8
Paris Island §§	Maximum	66	65	66	75	68	65	61	66	65	79	64	62	64	76	78	79	78	78	66	69	73	65	68	55	60	64	64	65	61	58	....	66.9
	Minimum	48	47	49	49	52	47	47	46	46	48	49	44	43	47	48	49	66	55	53	46	44	52	44	43	42	44	46	52	55	50	....	48.4
St. George §§	Maximum	66	57	58	59	61	59	66	70	79	81	64	51	65	71	76	80	84	66	64	65	70	71	60	63	64	70	73	71	74	74	....	67.7
	Minimum	45	42	37	36	50	42	41	34	40	45	41	42	38	31	35	56	71	55	47	49	47	54	44	40	40	41	50	48	47	50	....	44.6
St. Matthews §§	Maximum	65	63	64	76	68	65	64	74	76	79	62	61	64	69	74	79	82	62	63	66	63	53	47	44	61	47	69	70	63	....	....	[a]65.8
	Minimum	57	54	45	39	46	48	35	37	41	47	47	41	34	32	34	35	67	52	46	41	35	50	39	37	36	42	41	45	49	50	....	43.4
Society Hill §§	Maximum	62	60	64	74	65	65	65	72	75	75	61	59	64	69	73	72	78	65	62	65	61	49	52	43	60	47	68	71	67	56	....	64.0
	Minimum	41	36	32	32	43	39	36	31	39	45	42	40	37	31	30	35	57	52	42	37	35	38	40	35	31	35	41	42	48	48	....	39.0
Summerville	Maximum	61	59	64	70	65	63	62	68	73	74	64	61	61	67	72	78	77	71	62	66	63	60	53	46	61	51	59	70	68	57	....	64.2
	Minimum	42	39	37	39	44	40	39	36	40	46	49	41	36	33	36	52	66	54	44	40	36	50	41	40	41	41	44	53	52	49	....	43.3
Walterboro	Maximum	....	....	....	....	....	....	72	....	....	79	70	71	70	72	77	82	86	80	78	85	68	60	54	46	63	50	62	71	69	56	....	[b]69.6
	Minimum	....	....	....	....	....	....	39	....	....	40	39	42	35	29	32	54	67	54	42	38	31	50	41	40	43	40	49	58	53	49	....	[b]43.6
Yemassee §§	Maximum	65	65	69	76	71	68	68	74	78	80	67	64	65	72	76	80	83	66	65	69	67	64	50	47	64	59	63	72	60	53	....	67.1
	Minimum	39	39	36	35	47	39	36	32	39	50	49	40	33	29	32	54	70	53	41	43	34	50	42	40	44	47	44	62	53	49	....	43.4
Western Portion.																																	
Aiken	Maximum	66	59	63	71	69	65	64	71	75	74	68	60	62	67	71	77	80	68	60	66	63	60	55	47	60	58	57	70	68	58	....	70.3
	Minimum	40	39	42	41	48	41	41	42	47	52	49	38	36	40	40	55	61	49	41	40	41	50	40	37	36	45	41	52	46	47	....	41.0
Anderson	Maximum	62	62	67	75	67	61	66	75	75	74	67	55	62	69	71	62	73	67	60	66	69	51	47	51	59	47	61	60	63	61	....	63.2
	Minimum	36	36	39	39	43	40	40	39	47	47	44	36	31	36	37	49	54	43	42	38	35	44	38	33	30	41	40	49	41	41	....	40.3
Batesburg §§	Maximum	60	60	65	72	67	64	66	72	70	72	69	57	62	69	71	75	76	59	58	63	60	57	56	46	59	45	60	70	62	55		63.2
	Minimum	39	37	40	44	45	39	39	42	44	50	45	35	34	34	41	39	53	49	44	42	39	41	39	35	36	37	39	40	47	47	....	41.2
Calhoun Falls §§	Maximum	62	64	69	74	71	64	69	76	76	74	61	58	65	71	72	66	73	57	59	61	62	53	48	51	59	48	55	73	61	62	....	63.8
	Minimum	43	37	35	36	38	41	39	36	39	46	46	36	31	31	34	37	54	49	45	41	36	36	42	36	32	33	42	43	45	45	....	39.5
Camden §§	Maximum	65	65	67	....	71	68	69	79	77	77	64	....	66	69	72	80	80	....	60	66	62	....	54	....	61	52	63	71	66	59	....	'68.2
	Minimum	50	45	46	40	43	50	51	49	....	....	....	....	....	....	....	....	....	....	....	52	61	62	49	40	40	43	43	52	54	51	....	....
Clemson College	Maximum	60	58	58	69	66	61	60	64	64	67	68	67	57	62	62	75	77	79	58	72	62	57	59	57	58	55	57	60	62	61	....	63.1
	Minimum	37	33	34	34	38	40	35	37	39	44	47	39	31	31	31	45	46	49	43	41	46	47	42	29	30	32	43	50	47	42	....	39.4
Columbia	Maximum	60	60	64	73	66	64	64	70	73	75	61	58	62	67	70	76	79	66	60	64	59	53	50	46	60	48	54	72	66	56	....	63.2
	Minimum	43	38	40	40	48	41	41	38	45	52	44	38	34	35	39	52	66	50	45	42	38	47	41	36	33	42	41	52	49	47	....	43.2
Greenville	Maximum	57	58	61	60	62	60	64	69	69	67	54	48	56	69	64	59	68	57	55	63	53	50	46	48	57	49	58	56	62	54	....	58.7
	Minimum	38	37	39	42	44	41	43	42	51	52	42	37	33	45	41	52	56	44	42	42	37	45	38	34	36	42	42	50	44	4	....	42.4
Greenwood §§	Maximum	58	58	61	70	65	60	62	62	71	70	62	61	60	65	66	67	74	69	57	61	60	52	49	47	51	52	55	70	65	57	....	61.3
	Minimum	39	36	37	42	43	39	37	39	49	51	44	36	32	32	35	48	49	48	41	40	36	45	39	31	34	41	40	50	45	45	....	41.0
Heath Spring	Maximum	66	....	68	....	68	62	63	74	70	66	67	....	69	74	70	67	....	....	....	....	....	....	59	55	58	60	64	68	68	..	....	'65.8
	Minimum	....	40	41	40	48	43	....	....	47	....	38	40	40	....	40	....	....	....	38	37	36	42	38	33	34	33	....	48	47	46	....	'40.4
Kershaw §§	Maximum	62	59	63	59	65	64	65	75	75	74	64	56	63	69	71	73	80	77	59	62	58	52	51	47	59	54	62	72	70	57	....	63.9
	Minimum	38	36	35	35	41	39	35	39	45	48	43	36	33	39	36	45	64	51	42	39	34	43	39	34	30	41	40	48	47	46	....	40.8
Landrum	Maximum	57	61	63	72	68	63	67	74	72	73	61	55	64	67	66	59	70	69	62	62	55	51	47	50	60	51	66	58	64	55	....	62.1
	Minimum	38	30	31	35	40	44	34	36	36	53	41	34	29	40	32	45	52	47	37	37	34	41	38	31	29	36	36	49	43	41	....	38.8
Laurens §§	Maximum	57	58	61	71	62	60	62	68	72	70	57	54	61	64	67	67	75	57	58	63	58	50	48	49	57	48	62	62	60	57	..	60.5
	Minimum	36	35	33	35	34	37	34	33	34	44	45	37	29	29	29	31	50	47	42	44	35	45	39	32	28	30	42	41	42	46	....	37.3
Liberty	Maximum	60	60	62	71	63	61	64	70	70	63	55	56	60	65	69	59	71	67	58	64	55	54	49	49	56	49	60	61	63	59	....	60.8
	Minimum	36	35	36	36	44	43	35	38	45	46	38	38	31	32	35	52	57	47	42	40	32	46	40	35	31	43	43	51	53	44	....	40.8
Little Mountain	Maximum	60	60	60	70	65	60	61	61	67	75	60	60	60	66	70	73	73	70	58	60	64	54	55	53	50	54	60	73	66	54	....	62.4
	Minimum	40	40	38	45	40	38	40	48	50	50	46	34	32	30	41	43	51	46	42	40	39	37	40	40	34	32	40	50	45	46	....	41.5
Meriwether	Maximum	68	62	70	74	70	68	65	69	78	76	65	60	58	56	62	65	69	78	60	63	65	60	....	....	48	52	55	72	68	58	....	'64.8
	Minimum	37	44	32	32	....	36	34	40	42	44	45	34	32	30	31	39	58	36	42	36	33	42	....	....	30	40	40	50	48	45	....	'39.1
Monetta	Maximum	62	60	65	72	66	62	65	74	76	74	69	56	64	70	73	76	77	75	59	65	61	57	50	46	60	56	56	70	68	56	....	64.7
	Minimum	40	38	39	40	47	42	40	41	46	51	45	37	35	37	40	52	65	49	45	39	38	48	38	36	32	42	40	52	45	48	....	42.9
Newberry	Maximum	61	61	64	73	65	63	65	72	75	73	64	58	62	68	69	71	77	68	63	65	59	67	67	49	58	46	58	72	66	59	....	64.6
	Minimum	39	36	35	35	43	39	37	35	44	48	45	37	32	32	33	48	62	50	44	35	33	47	40	35	30	40	42	52	45	46	....	40.6
Saluda	Maximum	62	62	65	73	66	64	66	75	73	66	57	65	70	70	75	76	70	60	65	58	49	50	49	49	60	53	55	73	69	58	....	63.4
	Minimum	35	32	30	31	36	39	30	30	45	33	36	27	28	29	30	65	49	45	30	39	35	45	35	37	29	37	40	50	46	47	....	37.6
Santuck	Maximum	58	58	63	71	64	61	62	69	73	72	62	55	60	65	66	70	76	69	59	61	57	52	48	49	58	48	62	61	62	57	....	61.6
	Minimum	39	34	35	35	42	38	36	35	45	47	44	35	32	33	32	44	61	49	43	37	34	44	39	34	30	39	43	50	44	45	....	39.9
Spartanburg §§	Maximum	59	60	65	74	66	62	64	74	75	72	59	54	62	68	68	67	75	77	60	63	60	55	50	49	59	56	66	61	64	62	....	63.5
	Minimum	37	34	36	36	42	39	37	36	46	48	44	36	31	36	36	45	66	48	41	36	34	44	38	34	30	41	40	50	41	43	....	40.2
Trenton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Walhalla	Maximum	62	61	64	75	67	61	65	73	72	71	60	57	62	66	65	58	69	62	60	65	56	55	51	51	59	51	60	62	64	61	....	62.2
	Minimum	33	32	35	34	39	38	35	38	46	44	46	31	29	30	34	49	56	45	43	33	33	43	39	34	29	42	41	50	41	43	....	38.8
White Oak	Maximum	60	60	63	73	65	63	65	72	75	72	67	56	63	68	68	72	77	74	58	62	57	53	50	47	59	53	62	71	69	56	....	63.7
	Minimum	40	37	38	42	43	38	38	42	47	51	44	35	34	38	39	48	65	50	43	39	38	44	39	34	33	41	41	50	45	45	....	42.0
Winthrop College	Maximum	60	60	73	72	64	62	65	73	77	70	61	64	63	68	68	71	76	73	59	61	57	53	50	49	58	50	67	65	63	56	....	63.6
	Minimum	38	34	43	39	43	38	35	39	46	48	42	35	33	37	36	45	64	49	41	39	34	43	39	33	30	31	42	51	44	42	....	40.4

Reference letters, (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
A T

1.05
SC

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

FEB .. 1919

CLIMATOLOGICAL DATA

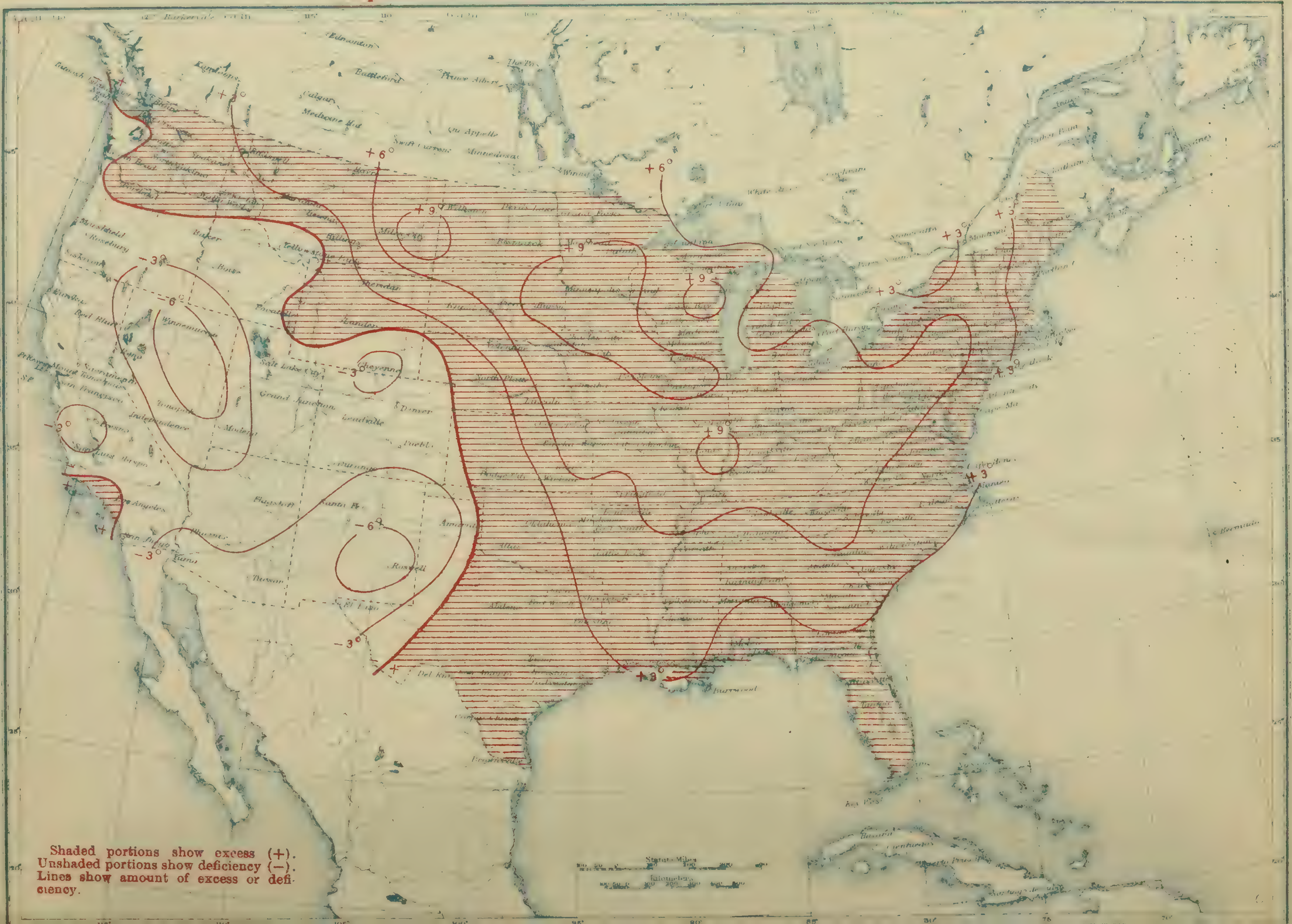
SOUTH CAROLINA SECTION

DECEMBER, 1918.

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
January 31, 1919

Departure of the Mean Temperature from the Normal, December, 1918.



Shaded portions show excess (+). Unshaded portions show deficiency (—). Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN. Meteorologist.

VOL. XXI. COLUMBIA, S. C., DECEMBER, 1918 No. 12.

GENERAL SUMMARY.

In direct contrast with the frigid conditions prevalent during the corresponding period last year, the weather during December was remarkably mild, open, and pleasant until Christmas, when a moderate cold wave was attended by the usual winter temperatures. In consequence, the current month was the warmest December in ten years. Precipitation was considerably above the seasonal average, and heavy to excessive rains about the 15th and 21st were followed by freshets in a number of rivers in the Section.

The mild weather was generally favorable for all winter crops, but grain planting was delayed in some sections by too much rain and by wet soil. From 5% to 10% of the cotton crop remained to be picked at the end of the month, but corn was about all housed. Wheat, oats, and rye came to good stands and were in good to excellent condition, and the crops were being grazed in some localities. Rye headed in scattered sections, incident to relatively high temperatures. Winter truck and gardens were in good to excellent condition at the close of the month.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 30.14 inches. The highest pressure in the region covered by reports was 30.65 inches at Columbia on the 19th; the lowest pressure, 29.61 inches at Asheville, N. C., on the 24th, and in the Section proper, 29.66 inches at Greenville on the same date.

TEMPERATURE

The monthly mean for the Section, determined from reports of 45 stations, was 50.8°, or 4.5° above the established normal. The highest temperature was 82° at Oaks, Georgetown County, on the 14th The warmest period was between the 5th and 15th, although the weather was comparatively mild until the cool wave of the 25-26th. The lowest temperature was 17° at Walhalla, Oconee County, on the 29th. The coldest period was during the last 6 days, when the killing frost line was carried to the extreme southern coast.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 84%; 8 p. m., 76%. The highest percentages occurred over the Savannah drainage area, and the lowest, over the northern interior.

PRECIPITATION.

The average for the Section, 56 stations reporting, was 5.35 inches, or 1.96 inches above the established normal. There were three well-defined periods of rainfall, and the Section was thoroughly drenched, except in a small area of the southern coast counties, where the measurements were less than normal. and below 2 inches. In a broad belt of the central counties the rainfall ranged downward from 5 inches to less than 4 inches, and in the eastern and northwestern counties the precipitation ranged from 6 to over 13 inches. The greatest local monthly amount was 13.44 inches at Walhalla, Oconee County, and the least monthly amount was 1.16 inches at Paris Island, Beaufort County. The greatest amount during any 24 hours was 4.05 inches at Liberty, Pickens County, on the 21st. The average number of rainy days was 12% above the normal.

Snowfall in measureable quantities occurred at Liberty, Pickens County; snow flurries occurred at 19 other stations on the 1st, 2d, 27th, 28th, and 29th. Sleet occurred at 8 stations on the 1st, 2d, 23d, 27th, and 28th.

WIND.

The prevailing wind was from the west. The average hourly velocity, determined from 8 anemometer records, was 8.8 miles. The highest average velocity was 12.3 miles per hour at Savannah, Ga., and in the Section proper, 10.9 miles per hour at Charleston; the lowest average velocity was 6.2 miles per hour at Charlotte, N. C., and in the Section proper, 7.5 miles per hour at Columbia. The highest velocity for any 5-minute period was 39 miles per hour from the northwest at Savannah, Ga., on the 4th, and in the Section proper, 36 miles per hour from the east at Charleston on the 1st.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 131.9 hours, or 43% of the possible amount. The average number of clear days was 12; partly cloudy, 6, and cloudy, 13, as against normals of 14, 7, and 10 days, respectively.

RIVER CONDITIONS.

The Santee River was near or above flood stage throughout the month. Moderate freshet conditions prevailed in the Great Pee Dee, Santee, and Savannah river districts after the heavy to excessive rains of the 15-16th and 21st-22d. The unavoidable losses in the Santee district incident to floods approximated $6,250, and the value of movable property saved by timely warnings has been conservatively estimated at $73,250. In the Pee Dee District the losses were estimated at $8,900, and the value of movable property saved approximated $20,000.

MISCELLANEOUS PHENOMENA. (dates).

Frost.—Killing: Number of stations reporting first freezing temperature of autumn: 2d, 1; 25th, 1; 26th, 5; 28th, 1; 29th, 2.

Halos.—Lunar: Columbia, 18, 19; Greenville, 18, 19; Santuck, 19; Walhalla, 14, 18. *Solar:* Columbia, 25; Greenville, 7, 18, 19; Liberty, 10, 15, 19; Santuck, 19.

Thunderstorms.—Charleston, Newberry, and Santuck, 14.

Fog, dense.—Catawba, 14; Centenary, 15; Charleston, 11, 13; Columbia, 13, 14; Darlington, 13, 14, 15; Gaston Shoals, 12; Georgetown, 12; Greenville, 12, 14; Liberty, 12, 17; Newberry, 12, 13; Rimini, 12; Walhalla, 17; White Oak, 12.

MISCELLANEOUS DATA FOR DECEMBER, 1918.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.16	43.6	68	18	4.73	1.85	9.6	nw.	82	68	37
Augusta, Ga........	30.14	52.3	75	28	3.07	1.25	6.4	w.	86	80	53
Charleston, S. C...	30.14	53.5	74	29	3.17	0.99	10.9	w.	81	80	42
Charlotte, N. C ...	30.14	47.2	71	24	4.35	1.11	6.2	ne.	89	74	41
Columbia, S. C....	30.16	51.2	76	26	3.91	1.16	7.5	sw.	83	78	36
Greenville, S. C...	30.12	47.9	60	23	7.37	2.82	9.3	ne.	79	71	54
Savannah, Ga.....	30.15	54.4	75	30	4.00	1.98	12.3	w.	85	75	31
Wilmington, N. C.	30.15	52.0	76	28	4.67	1.43	7.9	w.	84	79	48
Means and extremes......	30.14	50.3	76	18	4.41	2.82	88	w.	84	76	43

Climatological Data for December, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip'n (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	29					q 31	27											R. B. Vance.
Blackville	Barnwell	296	29	54.0	+6.7	78	†14	26	29	36	3.17	−0.31	0.90	0	10	15	7	9		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	17	50.7	+3.3	75	9	24	29	45	6.72	+3.20	2.32	T.	10	11	8	12	w.	B. O. Evans.
Centenary	Marion	43	3	51.8		79	14	24	29	47	7.43		3.01	T.	8	9	7	15	ne.	D. L. Carmichael.
Charleston	Charleston	48	47	53.5	+2.2	74	14	29	29	25	3.17	+0.02	0.99	0	11	9	1	21	w.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	28	51.8	+8.1	76	9	28	29	31	3.94	+0.68	0.79	T.	7					Roland D. Powe.
Conway	Horry	25	32	50.8	+2.9	78	14	26	29	38	7.72	+4.52	2.26	0	11	12	0	19	ne.	Paul Quattlebaum.
Darlington	Darlington	175	23	50.3	+5.1	77	10	25	†29	39	5.55	+2.76	1.78	T.	10	16	2	13		D. C. McCall.
Edisto ‡‡	Bamberg	143	30								4.87	+1.41	1.41	0	10					Nathan Jenkins.
Effingham	Florence	106	25								5.06	+1.76	1.52	0	9					Wm. B. Gillespie,
Ferguson	Orangeburg	63	32	50.5	+2.3	76	15	25	30	36	5.70	+2.67	1.20	0	10	11	5	15	ne.	Henry C. Savage.
Florence 1	Florence	136	29	50.4	+5.5	76	10	26	29	37	5.46	+2.68	2.46	0	6	11	2	18	sw.	H. K. Gilbert.
Florence 2	do	136	3								6.04	+3.26	1.57	0	10	11	6	14	nw.	Pee Dee Experiment Sta.
Garnett	Hampton	82		54.2		80	14	29	29	41	4.11		1.08	0	11	7	10	14	w.	Maner B. Robert.
Georgetown	Georgetown	12	23	ᵃ54.9	+5.9	ᵃ80	11	ᵃ27	29	ᵃ46	6.31	+2.76	1.33	0	10	15	3	13	ne.	A. P. Hazard.
Kingstree	Williamsburg	54	29	52.6	+4.9	78	9	27	29	40	5.44	+2.32	1.48	0	7	11	3	17	sw.	W. H. Matthews.
Oaks	Georgetown		3	ʲ55.2		ʲ82	14	ʲ28	29	ʲ46	5.75		1.60	0	12					O. M. Mitchell.
Orangeburg	Orangeburg	264	2	51.0		79	14	24	29	45	4.47		1.60	0	8	19	3	9	w.	U. S. Fisheries Station.
Paris Island	Beaufort	13		55.0	+3.2	77	7	30	28	33	1.16	−1.64	1.06	0	5	12	1	18	w.	U. S. Marine Corps.
Pinopolis **††	Berkeley	54	68	50.7	+3.3	70	†10	24	29		4.67	+1.71	2.57	0	6	9	2	20	ne.	Miss E. P. Ravenel.
Rimini	Clarendon	97	4								6.00		1.45	0	11					William B. Wolfe
St. George	Dorchester	109	29	54.2	+6.5	80	14	30	† 9	45	4.73	+1.63	1.10	0	11	17	3	11	ne.	Miss Una T. Whiteside.
St. Matthews	Calhoun	62	22	51.6	+5.3	76	14	24	29	32	4.63	+1.36	1.32	0	8	15	3	13	s.	J. S. Wannamaker.
Society Hill	Darlington	192	26	49.0	+4.0	79	† 9	23	29	41	4.46	+1.20	1.22	T.	12	16	2	13	ne.	A. H. Rogers.
Summerville	Dorchester	75	20	53.2	+4.3	78	31	27	29	48	6.05	+2.50	2.79	0	11	8	8	15	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	15	52.4	+2.1	78	†10	27	29	46	2.80	−0.55	1.52	0	6	18	0	12		J. N. Frank.
Yemassee	Hampton	24	22	52.4	+4.7	76	10	26	29	42	3.51	+0.30	1.48	0	9	8	0	23	w.	W. C. Lutson.
Division means and extremes				52.4	+5.0	32	11	23	29	48	4.97	+1.76	3.01	T.	9	12	4	15	w.	
Western Portion.																				
Aiken	Aiken	527	57	52.0	+4.8	75	14	24	29	41	3.76	+0.01	1.01	0	9	11	2	18	w.	Frank B. McCoy.
Anderson	Anderson	764	22	48.0	+4.0	72	10	20	29	38	7.71	+2.93	2.99	0	10	14	2	15	w.	H. H. Russell.
Batesburg	Lexington	656	29	50.2	+4.5	74	15	25	29	28	4.91	+0.95	1.54	T.	8	11	8	12	w.	E. J. Hite.
Blairs	Fairfield	293	15								4.04	+0.04	1.19	0	11					J. N. Owens.
Calhoun Falls	Abbeville	508	25	48.1		73	11	22	29	36	7.85	+3.43	1.70	0	11	15	3	13	w.	L. M. Parker.
Camden	Kershaw	222	58	ᵃ53.3	+3.8	ᵃ75	†10	ᵃ26	29	ᵃ29	4.31	+0.85	0.97	0	7	13	7	11	ne.	W. C. Brown.
Catawba	York	562	14								3.48	+0.82	1.17	0	8					James C. Faris.
Chappells	Newberry	402	14								5.54	+0.77	2.22	0	10					T. J. Murran.
Clemson College	Oconee	850	26	49.6	+7.0	71	9	20	29	39	7.59	+2.46	2.11	0	6	15	7	9	sw.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	31	51.2	+4.0	76	14	26	29	29	3.91	+1.01	1.16	T.	12	6	6	19	sw.	U. S. Weather Bureau.
Edgefield	Edgefield		4								4.62		1.50	0	11					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	5								5.27	+0.59	0.99	T.	12					S. C. Lt., Power & Ry. Co.
Greenville	Greenville	1039	25	47.9	+6.7	60	10	23	39	23	7.37	+2.92	2.82	T.	12	8	10	13	ne.	U. S. Weather Bureau.
Greenwood	Greenwood	671	29	48.6	+5.3	70	†10	23	29	31	6.12	+1.64	1.89	0	10	18	0	13	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	17			q 73	10	ˡ23	29		3.79	−0.47	1.74	0	5	6	16	9	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	2	49.6		76	10	23	29	37	4.62		1.25	0	11	14	2	15	w.	John W. Hamel.
Landrum	Spartanburg	1063	3	47.0		73	8	22	27	40	7.55		2.28	T.	12	14	7	10		R. Hartwell Wilds, D.D.S.
Laurens	Laurens	589		ᵃ47.4		ᵃ75	10	ᵃ19	29	ᵃ40	5.88		2.49	0	5	16	8	7		Perry A. Simpson.
Liberty	Pickens	900	19	48.4	+5.6	73	8	21	†27	31	9.29	+3.08	4.05	1.0	12	12	11	8	sw.	John T. Boggs.
Little Mountain	Newberry	711	25	49.6	+4.0	75	10	24	29	33	4.80	+1.51	2.10	T.	5	14	1	16	w.	J. M. Sease, M. D.
Meriwether	McCormick	450	15	ᶜ49.9	+3.7	ᶜ76	14	ᶜ24	†27	ᶜ36	3.89	−0.03	0.95	T.	6					Mrs. Marie R. Middleton.
Monetta	Saluda	400	11	50.8	+5.0	73	10	25	29	38	4.08	+2.77	1.37	T.	12	6	15	10	sw.	Joseph M. Johnson.
Newberry	Newberry	502	15	49.5	+4.9	74	10	23	29	39	4.58	−0.34	1.65	T.	11	17	3	11	w.	Warren G. Peterson.
Pelzer	Anderson	850	14								6.88	+1.42	2.88	0	11					Joshua Y. Jones.
Saluda	Saluda	536	17	51.8	+6.1	75	14	23	29	40	5.22	+1.21	2.00	0	11	14	5	12	w.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	25	49.0	+5.8	74	10	21	29	35	4.79	+0.51	1.32	T.	9	13	7	11	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	35	47.8	+5.2	74	10	22	29	35	5.63	+1.43	1.60	T.	12					F. P. Robinson.
Trenton	Edgefield	620	29	ˡ51.0	+4.0	ˡ76	15	ˡ24	29	ˡ35	4.44	+0.45	1.54	T.	6				w.	Mrs. S. E. Long.
Walhalla	Oconee	1061	15	48.0		75	22	17	29	40	13.44	+9.08	3.30	T.	13	11	9	11	ne.	H. W. Brandt.
White Oak	Fairfield	548	2	49.6	+7.0	74	10	21	29	35	4.23	+0.74	1.81	0	10	16	5	10	w.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	18	50.2	+7.1	75	10	21	29	36	4.90	+0.31	1.10	T.	7	11	13	7	ne.	W. P. Goodman.
Division means and extremes				49.5	+5.3	76	†10	17	29	41	5.67	+1.29	4.05	T.	10	12	7	12	w.	
Section means and extremes				50.8	+4.5	82	14	17	29	48	5.35	+1.96	4.05	T.	9	12	6	13	w.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (ᵃ, ᵇ, ᶜ), appearing in the table indicate number of days missing; for example, ᵇ represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Blacksburg; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for December, 1918.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ||||	Savannah											.10										.10	.15	.20	1.32	.80	.20						
Blackville ||	Edisto	.27	.88											.02	.15	.30	.20					.05	.90		.30								3.17
Bowman	do	.74										.58	.37		.20	2.32	.22				.24	.20	1.05		.80			T.				T.	6.72
Centenary	Pee Dee	.60	.48									T.		.27	.96	.92	.56					T.	3.01		.63				T.				7.43
Charleston ***	Coast	.77	.22									.18		.09	.39	.38					.03	.11	.43		.53	T.		T.				.04	3.17
Cheraw ||||	Pee Dee		.79									.18			.47	.56	.76						.61			.57							3.94
Conway ||||	Waccamaw	.04	1.02	.10								T.	.08	T.	T.	2.26	1.47	.22					.12	2.07	.06	.28							7.72
Darlington ||||	Pee Dee		.97	T.								.16			.10	.40	1.78	.15					1.48	.28	.02	.21				T.			5.55
Edisto ||	Edisto	.11	1.30										.32		.27	.46	.57						.70	.58	.30	.26							4.87
Ellingham ||||	Lynches		.96	.04											.36	.38	1.52	.06					.38	1.12		.24							5.06
Ferguson ||||	Santee	.19	1.07	T.								.20		T.		.17	1.20					.14	1.17	1.08	.40	.08							5.70
Florence 1 ||	Pee Dee		.81											.31	.11			.86					2.46		.91								5.46
Florence 2 ||||	do		1.10										T.	.35	.24	1.46	.10	T.		.05	.10	.32		1.57		.75							6.04
Garnett	Savannah	.69	.76									.15	.20	.02	T.	.22	.01	T.				.05	1.08		.92		T.	.01				T.	4.11
Georgetown	Coast	.25	.20									.85		.15	.85	.95	1.10				.15	1.33			.48								6.31
Kingstree ||||	Black		.95	T.								.09			.18		1.48	.24				.05	.75	1.25		.45							5.44
Oaks	do	.28	.98									.12	.01	.07	.59	.46	1.20	.02					1.60	.02	.40								5.75
Orangeburg	Edisto	.57	.40									.40	.40	.30	.20							1.60				.60							4.47
Paris Island	Coast		1.05								.07	.01		.01		.01																	1.16
Pinopolis	Cooper	.25										.16			.50	.55						2.57		.64									4.67
Rimini ||	Santee		1.30									.61	.05		.11	.55	1.45					.10	.65	.62	.09	.41							6.00
St. George ||||	Edisto	.30	1.10									.19	.04		.10	.70	.20					.50	.85		.50							.25	4.73
St. Matthews ||||	Santee		1.10										.28			.45	1.32						.80	.23	.30	.15							4.63
Society Hill ||||	do		1.05	.01								.18			.09	.58	1.22	.08				.01	.84	.15	.08	.17				T.			4.46
Summerville	Ashley	.42	.90									.09	.07	.03	.33	.36					T.	.35	2.79		.61	T.				T.		.10	6.05
Walterboro	Ashepoo	1.52		.06								.06	.02			.35									.79								2.80
Yemassee ||	do	1.00	.48									.10		.03		.02	.16					.03	.76		.93								3.51
Western Portion.																																	
Aiken	Edisto	.29	1.17									.05			.07	.23	.54					.13	.91		.37								3.76
Anderson	Savannah	.05	.20											.12	.50	.04	2.99					1.26	1.88		.63							.04	7.71
Batesburg ||||	Edisto		.73									.18			.21	.29	1.54					.23	1.15		.58					T.		T.	4.91
Blairs ||||	Broad		.32									.21	.03		.09	.58	1.19	.30					.87	.09	.14	.22							4.04
Calhoun Falls ||||	Savannah		.47										.04		.82	.48	.93	.57				.25	2.70	.21	.20	1.18							7.85
Camden ||	Wateree		.90								.40				.20	.97	.13					.10	1.09			.52							4.31
Catawba ||||	Catawba		.33									.06				.55	1.17	.32				.10	.85	.10									3.48
Chappells ||||	Saluda		.35												.20	.58	2.20	.02				.05	1.45	.07	.25	.37							5.54
Clemson College	Savannah	.25										.05			2.00		2.08					2.11			1.10								7.59
Columbia ***	Congaree	.98	.01								.02	.42		.01	.06	.79	.42				T.	.26	.59		.34				T.			.01	3.91
Edgefield ||||	Savannah	.40	.20												.12	.70	.90	.20				.05	1.45	.05	.40	.15							4.62
Gaston Shoals ||	Broad		.11									.15	T.		.97	.88	.31	.69				.03	.99	.23	.27	.63				.01			5.27
Greenville ***	Saluda	.20								T.	.01	.06	.02	.11	.57	T.	2.11					.04	1.92	1.15	.99							.19	7.37
Greenwood ||||	do		.36												.10	.71	1.89	.29				.10	1.55	.32	.22	.58							6.12
Heath Spring	Wateree														.46	1.74							1.12		.42							.05	3.79
Kershaw ||	Lynches	.10	.60									.19	.02		.04	1.08	.80	.01				.09	1.25		.44								4.62
Landrum	Broad	.05	.23									.35	.06	.18	1.12	.08	1.31	.04				1.04	2.28		.41				T.				7.55
Laurens ||||	Saluda	.21														.70	2.49					2.00		.48									5.88
Liberty	Savannah	T.	.05								.02	.04	.02	.01	1.96		1.98					.02	4.05	.10	1.02							.02	9.29
Little Mountain	Saluda	.05	1.45									.10		T.				2.10							1.10				T.				4.80
Meriwether	Savannah	.59													.52	.58	.95					.53	.72						T.				3.89
Monetta	Edisto	.13	.66									.08	.02	.01	.03	.36	1.37	.01			T.	.19	.82		.40				T.				4.08
Newberry	Saluda	.18	.23									.32		.03	.20	.70	1.65					.43	.25		.58				T.			.01	4.58
Pelzer ||||	do		.24									T.	T.	.06	.08	.38	1.92	.24				.24	2.88	.04	.48	.32							6.88
Saluda	do	.13	.37									.15		.05	.06	.79	2.00	.05				.20	.90		.52								5.22
Santuck	Broad	.07	.18						T.			.22		T.	.94	.12	1.32					.20	1.09		.65				T.				4.79
Spartanburg ||||	do	.17									.17	.03	T.	.05	.60	.68	.90	.05			T.	.20	1.60		1.15				T.		.03		5.63
Trenton	Edisto	1.00										.06			.08		1.54					T	1.26				.50		T.				4.44
Walhalla	Savannah	T.	.12								.02	.16	.02	.13	3.30		2.85	.03				.09	2.81	2.50	1.39							.02	13.44
White Oak	Broad	.04	.36									.01	.02	T.	.05	.56	1.81	.01					.77		.60							T.	4.23
Winthrop College	Catawba											.50			.77	.58	1.10				.90		1.00		.65				T.				4.90

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡Separate dates of falls not recorded. T. Trace, or less than 0.01 inchs

COMPARATIVE DATA FOR DECEMBER.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.	Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.			Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	44.9	76	18	4.65	10				ne.-e	1904	45.5	78	16	2.79	9	14	5	12	w.
1888	42.7	71	13	3.56	7					1905	45.2	77	16	7.25	10	12	4	15	ne.
1889	55.4	79	17	0.53	1				sw.	1906	48.0	89	11	3.25	7	14	8	9	sw.
1890	45.9			2.25						1907	46.2	75	12	5.81	10	14	7	10	w.
1891	49.9			1.91						1908	50.6	83	23	2.84	7	13	9	9	w.
1892	47.1	76	6	2.45						1909	42.8	84	7	2.81	7	17	7	7	nw.
1893	47.2	79	17	3.05	6	17	7	7	sw.	1910	42.0	76	12	2.36	5	18	7	6	w.
1894	48.1	85	−1	2.56	7	15	8	8	nw.	1911	49.8	85	18	4.94	9	11	7	13	ne.
1895	46.1	80	15	3.04	6	16	7	8	nw.	1912	48.8	79	18	2.88	8	12	5	14	sw.
1896	44.0	83	8	3.55	7	17	6	8	ne.	1913	47.8	77	16	4.25	9	10	7	14	w.
1897	47.6	82	21	2.40	8	11	8	12	ne.	1914	43.9	80	11	4.80	13	6	6	19	ne.
1898	45.9	77	9	2.84	8	12	7	12	nw.	1915	44.2	79	17	3.27	7	18	5	8	w.
1899	44.6	79	11	2.33	7	15	8	8	nw.	1916	46.7	79	11	2.43	9	16	6	9	w.
1900	45.5	79	18	5.64	8	14	7	10	n.	1917	37.7	82	−6	1.47	6	15	6	10	ne.
1901	44.0	80	2	5.01	11	13	5	13	n.	1918	50.8	82	17	5.35	9	12	6	13	w.
1902	46.8	85	10	4.26	7	14	6	11	nw.										
1903	41.0	72	10	1.95	6	20	5	6	w.	Period	46.3	89	−6	3.39	8	14	7	10	w.

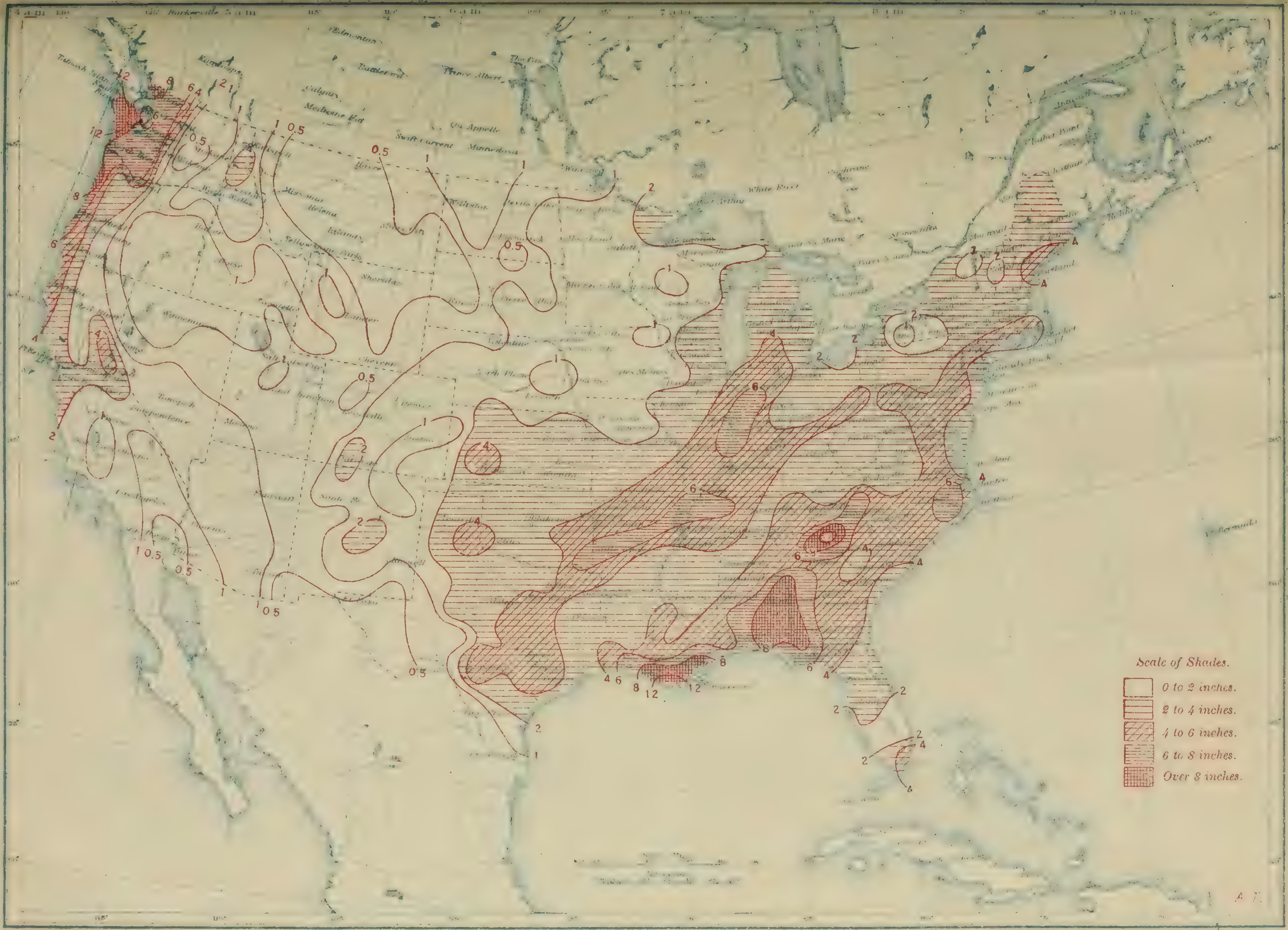
Daily Temperatures for December, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	50	58	59	60	65	69	75	70	69	48	45	43	45	47	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	44	43	43	59	58	55	60	58	55	31	34	32	33	35	....
Blackville §	Maximum	60	59	57	63	64	70	74	72	73	75	68	69	59	78	78	57	50	50	54	56	60	76	70	70	50	50	43	48	46	50	62	61.6
	Minimum	49	47	43	50	61	61	64	50	51	55	55	55	51	59	55	49	41	38	40	39	40	57	52	45	39	29	31	32	26	33	40	46.4
Bowman	Maximum	59	55	60	58	65	70	72	74	75	74	73	68	68	75	74	60	50	49	50	51	68	70	69	68	60	48	45	45	42	60	61	61.6
	Minimum	40	35	28	31	25	40	34	40	42	45	47	49	52	55	54	42	40	38	35	40	60	50	50	49	38	27	29	30	24	28	35	39.8
Centenary	Maximum	49	46	57	60	65	74	70	76	77	77	63	62	56	79	69	59	49	48	59	57	62	66	68	67	65	52	48	48	47	57	68	61.3
	Minimum	39	39	30	43	27	45	48	37	53	48	51	49	48	54	58	43	41	37	39	40	50	59	55	53	43	33	30	31	24	26	35	42.2
Charleston	Maximum	51	47	58	60	59	72	72	74	73	72	62	59	62	74	66	60	49	45	57	57	63	67	65	66	63	47	44	48	45	53	63	59.8
	Minimum	44	41	39	44	40	50	51	49	53	55	57	55	55	59	56	49	43	41	43	47	56	58	56	57	46	34	38	34	29	37	48	47.2
Cheraw §§	Maximum	52	59	59	65	68	67	71	70	76	56	55	56	76	61	63	50	52	56	50	60	72	67	71	61	48	40	43	48	55	56	73	59.9
	Minimum	39	38	37	43	37	51	44	52	50	53	50	49	47	55	54	44	41	38	37	42	41	59	53	56	48	30	33	32	28	34	42	43.8
Conway §§	Maximum	48	45	59	58	61	71	73	75	75	74	55	59	66	78	68	55	44	44	60	59	66	67	72	66	53	49	44	47	45	47	70	60.0
	Minimum	41	40	32	35	27	32	35	38	52	49	56	50	49	50	62	55	41	36	39	40	41	55	56	54	51	35	32	33	26	27	29	41.7
Darlington §§	Maximum	48	50	58	59	66	73	70	75	70	77	52	60	66	76	65	49	46	52	58	54	63	65	72	68	50	50	45	45	47	57	63	59.6
	Minimum	37	38	31	43	29	40	54	44	52	47	50	47	47	47	61	48	39	34	36	39	40	52	50	52	43	31	29	30	25	25	30	41.0
Ferguson §§	Maximum	55	51	56	60	63	70	71	73	73	75	57	58	65	70	76	62	46	45	43	55	67	71	70	68	58	48	43	46	57	57	67	60.2
	Minimum	42	39	29	40	29	34	35	42	43	46	50	52	51	51	54	54	41	39	38	42	43	47	53	55	38	31	29	33	28	25	33	40.8
Florence 1 §§	Maximum	46	48	58	64	72	74	73	75	74	76	54	63	66	64	63	60	48	54	56	61	69	71	74	68	48	52	47	45	47	51	64	60.8
	Minimum	39	38	33	35	41	42	39	41	50	50	51	49	48	48	46	40	37	35	38	39	41	47	48	43	41	32	30	32	26	28	32	40.0
Garnett	Maximum	51	52	59	61	66	72	71	73	75	75	70	67	63	80	74	60	54	54	61	60	68	72	70	70	65	48	45	49	48	60	61	63.0
	Minimum	43	40	34	43	31	44	37	44	47	50	60	56	55	59	60	47	43	44	42	47	54	63	59	62	42	31	31	34	29	32	40	45.3
Georgetown	Maximum	52	47	73	....	70	73	77	77	78	76	80	67	68	78	78	78	70	44	41	65	68	70	73	73	74	65	50	49	49	55	70	a66.3
	Minimum	43	41	36	....	35	31	44	50	52	50	57	52	52	53	62	62	42	36	31	36	46	53	47	52	50	34	34	32	27	28	36	a43.5
Kingstree §§	Maximum	47	56	59	64	68	73	74	74	78	70	62	57	77	70	59	49	49	59	55	65	68	71	67	67	48	45	47	45	55	67	76	62.0
	Minimum	41	39	32	44	28	46	39	48	52	51	54	50	48	53	58	47	40	37	37	41	52	60	55	55	45	33	32	35	27	28	38	43.3
Oaks	Maximum	49	47	64	60	68	74	78	....	78	78	78	....	60	82	68	63	....	....	62	58	67	....	72	67	....	....	....	49	48	....	....	j65.2
	Minimum	40	40	32	43	28	45	38	....	48	49	65	....	50	55	58	49	....	....	38	45	55	...	52	55	....	....	....	35	28	....	....	j45.1
Orangeburg §§	Maximum	55	54	60	58	62	70	70	72	75	76	75	70	71	79	58	59	59	60	68	69	78	70	70	65	56	54	56	48	49	52	62	63.9
	Minimum	41	37	35	44	30	43	33	44	45	44	44	43	42	44	47	41	38	33	32	33	50	50	54	33	30	26	25	26	24	31	36	38.0
Paris Island §§	Maximum	52	59	61	66	72	67	77	68	66	67	64	59	75	73	70	53	52	58	56	64	72	65	64	64	50	50	52	55	60	62	65	62.5
	Minimum	48	42	41	44	39	50	44	49	51	51	58	57	56	59	53	50	42	40	44	49	50	60	60	60	47	42	42	30	32	36	43	47.5
St. George §§	Maximum	70	73	69	60	74	76	79	64	78	68	74	73	77	80	77	45	45	60	62	70	72	65	70	63	48	50	47	60	50	70	72	65.9
	Minimum	40	42	45	33	32	33	44	47	30	33	45	50	60	58	59	40	30	33	40	40	60	39	50	52	40	31	38	39	40	35	50	42.6
St. Matthews §§	Maximum	56	54	58	59	64	71	70	73	73	75	56	58	67	76	61	52	46	50	50	57	66	66	68	69	45	49	46	45	49	56	64	59.6
	Minimum	46	38	35	44	33	49	39	47	51	52	56	50	50	50	60	52	41	38	37	42	50	57	55	56	40	30	32	30	24	30	40	43.5
Society Hill §§	Maximum	47	48	57	58	69	72	67	75	75	75	51	58	63	75	61	48	46	51	56	53	62	66	69	51	49	49	46	44	46	56	61	58.4
	Minimum	36	38	31	37	29	38	31	45	52	49	49	46	46	47	60	47	39	34	35	39	40	52	50	51	43	29	27	28	23	25	33	39.7
Summerville	Maximum	50	47	58	59	63	70	71	73	73	76	67	62	61	77	70	59	50	46	59	56	68	68	71	67	64	64	44	49	46	59	78	62.1
	Minimum	42	40	33	41	33	43	42	44	50	51	59	51	53	56	59	49	43	36	41	45	51	60	58	56	45	31	32	34	27	30	39	44.4
Walterboro	Maximum	50	55	42	61	67	74	74	76	76	78	68	62	61	76	78	60	49	47	59	60	69	68	70	71	65	46	38	62	50	61	62	62.4
	Minimum	40	40	33	31	28	40	35	45	46	48	60	54	41	57	58	48	42	38	41	41	53	60	53	56	44	30	32	31	27	29	38	42.5
Yemassee §§	Maximum	49	54	59	61	66	72	72	73	75	76	66	63	63	77	63	58	48	49	61	59	70	72	72	72	49	42	42	49	48	60	60	61.5
	Minimum	44	39	34	44	30	50	38	40	50	50	52	55	55	62	60	48	43	41	40	43	46	57	53	53	46	30	30	34	26	29	31	43.6
Western Portion																																	
Aiken	Maximum	55	57	59	57	64	69	69	72	70	71	69	66	58	75	73	58	48	51	55	54	60	71	68	72	68	47	44	45	46	57	57	60.6
	Minimum	39	37	35	41	35	48	45	50	51	53	53	49	51	54	55	46	41	37	37	41	49	60	54	55	37	27	31	31	24	33	42	43.3
Anderson	Maximum	45	54	59	59	62	71	64	69	71	72	63	52	52	66	62	56	55	51	49	45	55	71	65	67	53	45	47	46	47	55	52	57.4
	Minimum	34	29	34	39	36	45	38	48	51	51	42	44	47	48	48	41	40	33	34	38	41	53	46	50	29	23	21	26	20	27	40	38.6
Batesburg §§	Maximum	55	44	52	57	55	57	67	69	68	73	62	63	53	70	74	56	50	50	52	49	61	72	72	66	60	48	40	43	45	54	58	57.9
	Minimum	41	36	37	39	38	40	42	51	58	54	48	57	49	53	56	42	38	34	33	39	42	60	66	45	32	30	32	31	25	32	41	42.6
Calhoun Falls §§	Maximum	46	53	59	58	64	69	65	67	67	73	51	51	56	68	62	50	56	52	50	47	62	72	68	72	43	46	40	44	47	55	58	57.2
	Minimum	37	34	32	34	36	38	41	39	48	48	49	47	47	50	49	49	41	30	36	37	42	47	49	48	30	25	25	27	22	29	32	39.0
Camden §§	Maximum	48	57	60	59	60	70	72	73	72	75	55	62	61	75	62	51	60	54	54	58	64	71	68	70	....	49	44	43	55	57	64	a60.8
	Minimum	43	41	40	39	42	41	45	46	52	51	51	52	55	56	60	51	43	44	45	51	48	50	64	58	45	...	32	30	26	33	40	a45.8
Clemson College	Maximum	57	50	56	56	60	67	67	68	71	69	65	57	55	62	64	63	55	57	55	53	55	60	62	63	63	44	45	42	43	49	50	57.6
	Minimum	42	34	44	41	37	45	41	58	51	53	46	46	49	50	51	47	44	45	36	29	48	48	48	53	48	24	23	20	20	25	38	41.5
Columbia	Maximum	48	52	59	57	64	69	68	71	70	75	61	55	55	76	65	58	49	51	55	50	61	72	67	71	58	47	41	43	47	55	57	58.9
	Minimum	38	38	37	42	35	50	44	50	52	54	49	49	48	54	55	42	40	36	36	42	49	60	53	57	38	30	37	32	26	34	44	43.4
Greenville	Maximum	44	51	55	55	59	68	60	66	66	69	54	53	50	67	62	55	54	52	50	44	59	68	62	62	50	42	42	41	44	53	51	55.1
	Minimum	34	32	35	39	36	47	43	51	51	54	43	44	47	50	53	42	40	35	37	40	41	57	51	50	32	28	25	28	23	30	41	40.7
Greenwood §§	Maximum	45	51	58	55	60	68	63	67	65	70	65	53	52	70	62	59	54	53	50	48	62	69	65	70	62	43	39	42	44	53	54	57.1
	Minimum	36	33	35	42	37	49	37	57	49	50	45	45	48	50	51	43	39	35	34	34	38	53	45	52	35	26	26	27	23	32	38	40.1
Heath Spring	Maximum	....	53	....	55	59	66	64	67	70	73	72	....	....	73	70	....	....	....	....	....	66	....	68	....	....	....	....	....	....	....	58	....
	Minimum	34	34	35	40	35	47	....	45	57	54	43	44	46	45	....	43	....	34	34	....	....	....	....	50	38	29	28	30	23	....	....	....
Kershaw §§	Maximum	50	51	58	55	62	69	65	70	71	76	68	60	55	73	73	60	49	52	55	49	59	72	68	69	66	46	41	39	41	51	58	59.3
	Minimum	35	35	32	39	32	46	35	51	53	53	47	45	45	51	57	43	38	34	34	38	46	52	51	52	38	27	26	26	25	25	36	40.2
Landrum	Maximum	48	53	55	56	60	65	60	73	69	72	64	58	55	62	65	60	55	55	51	47	45	72	65	60	51	45	44	39	41	52	53	56.5
	Minimum	31	27	29	30	34	44	33	45	49	50	41	45	46	49	55	40	41	32	33	36	35	46	46	51	35	27	22	25	24	23	40	37.5
Laurens §§	Maximum	46	54	59	59	68	69	63	70	70	75	57	57	55	71	60	49	50	52	53	46	....	69	66	69	47	44	44	44	44	54	58	a57.4
	Minimum	34	34	30	37	28	47	33	41	53	50	45	47	45	44	48	47	39	36	34	35	41	....	44	45	36	26	23	23	19	21	34	a37.3
Liberty	Maximum	50	53	56	55	60	69	69	73	67	70	64	58	53	66	63	60	53	52	45	50	50	68	66	63	57	48	43	41	44	52	51	57.1
	Minimum	30	29	35	38	38	46	48	53	53	56	45	46	50	50	52	46	43	36	42	41	41	41	45	55	36	26	21	27	21	31	41	40.7
Little Mountain	Maximum	50	54	60	57	62	63	61	69	70	75	65	50	54	73	70	65	60	50	53	50	55	70	72	62	60	45	40	43	43	50	60	58.4
	Minimum	46	40	45	40	41	43	41	50	49	48	47	46	47	51	48	45	43	34	34	40	39	45	46	46	36	27	28	28	24	30	36	40.7
Meriwether	Maximum	56	55	60	59	58	69	70	71	71	72	....	65	58	76	64	50	55	54	55	58	67	72	74	....	....	40	41	45	50	59	56	c59.6
	Minimum	39	35	34	43	42	42	35	42	41	59	....	42	51	52	50	43	44	42	31	41	44	50	52	....	....	25	24	29	24	28	38	c40.2
Monetta	Maximum	54	53	58	56	63	68	67	70	69	73	67	56	56	74	71	58	48	49	52	51	58	71	67	71	67	45	42	43	46	55	58	59.2
	Minimum	38	37	35	44	36	47	42	48	52	52	50	48	48	52	55	44	39	36	34	41	48	58	50	55	37	29	29	29	25	32	40	42.3
Newberry	Maximum	47	54	59	59	64	70	64	70	68	74	64	52	53	73	64	60	52	51	53	49	59	73	66	72	64	45	43	46	46	56	58	59.0
	Minimum	37	36	31	43	31	48	36	46	51	51	46	44	46	52	55	43	40	34	33	40	40	50	46	53	37	27	27	26	23	28	40	40.0
Saluda	Maximum	55	54	58	58	69	69	65	69	68	73	68	67	55	75	69	61	52	52	53	51	59	72	73	72	67	45	41	45	49	54	59	63.8
	Minimum	34	35	30	41	29	47	33	45	49	46	43	47	48	51	54	44	40	34	34	41	45	58	59	43	37	23	25	28	23	29	37	39.8
Santuck	Maximum	49	53	57	55	62	68	61	70	71	74	64	55	55	73	62	58	52	53	51	48	58	69	65	69	61	44	43	42	44	55	55	57.9
	Minimum	34	36	31	40	33	48	35	51	52	53	44	44	47	51	54	42	38	33	33	39	44	58	46	55	37	27	24	25	21	26	38	40.0
Spartanburg §§	Maximum	53	54	59	56	61	61	62	71	70	74	71	55	52	64	65	60	55	54	51	45	49	68	69	64	57	44	42	42	42	51	53	57.2
	Minimum	33	32	33	37	31	34	36	48	52	52	42	44	41	49	54	42	40	34	34	39	41	48	45	51	35	28	23	24	22	25	40	38.4
Trenton	Maximum	....	....	57	55	61	66	66	65	....	73	66	57	57	74	76	....	....	....	70	50	60	70	....	....	....	....	40	40	40	....	....	l60.2
	Minimum	....	....	35	43	33	38	42	50	....	51	48	50	50	53	54	....	....	....	35	34	47	50	....	....	....	....	26	30	24	....	....	l41.7
Walhalla	Maximum	47	55	59	57	63	73	62	73	73	71	61	58	54	59	64	60	52	54	52	49	50	75	64	65	56	45	46	41	46	54	49	57.6
	Minimum	29	27	28	28	33	41	41	49	51	52	47	45	50	51	49	48	42	31	32	40	42	49	43	53	34	23	18	21	17	35	41	38.4
White Oak	Maximum	48	53	57	55	62	69	63	69	70	74	67	55	53	73	70	59	50	51	52	47	59	70	68	71	59	45	41	42	45	53	57	58.3
	Minimum	36	36	33	40	34	49	38	52	53	53	46	46	46	51	57	41	40	33	33	39	45	58	49	53	37	27	28	26	21	29	38	40.9
Winthrop College	Maximum	47	53	68	53	52	69	61	70	72	75	69	60	57	72	63	57	51	53	54	59	71	71	68	66	58	45	44	42	44	52	55	59.1
	Minimum	35	33	32	36	33	46	54	49	52	52	46	42	46	50	55	40	42	34	34	44	54	53	48	50	43	28	24	25	21	36	40	41.2

Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing: For example, ^{b} represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, December, 1918.



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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

SOUTH CAROLINA SECTION

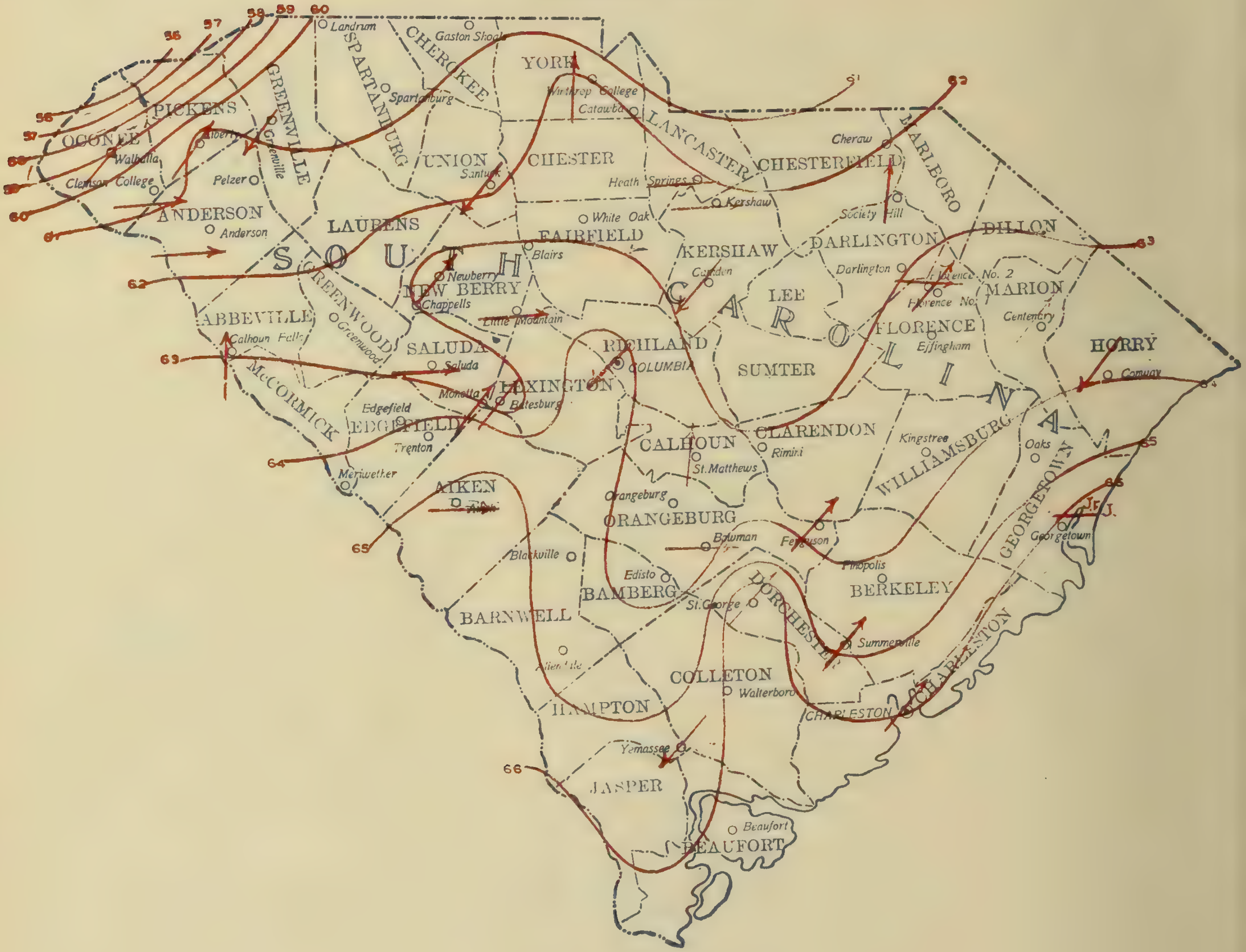
ANNUAL SUMMARY, 1918

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
April 28, 1919

MEAN TEMPERATURE AND PREVAILING WINDS FOR THE YEAR OF 1918.

(Arrows fly with the wind.)



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.
RICHARD H. SULLIVAN. Meteorologist.

VOL. XXI. COLUMBIA, S. C., YEAR, 1918 No. 13.

GENERAL SUMMARY.

Wide seasonal temperature and precipitation departures marked the general weather conditions of 1918, as in the two preceding years. January was the coldest month during the past 32 years, and July was the coolest month of the name on record. Serious deterioration of crops occurred in August, incident to heat and drought, and September was the coolest of record since 1888, with early autumnal frosts appearing two days earlier than the record in the northwestern counties. However, the remarkably long growing season—in fact, the longest of record in a large portion of the Section—was attended by material improvement in crop fruitage, especially as to cotton, maturity having been reached before damaging frosts occurred.

In consequence of the unusually severe winter and the soggy condition of the soil, all farm work was practically suspended during January. February and March were marked by unusual warmth, and the growing season opened nearly three weeks early; corn planting extended northward over the lower Piedmont by the close of March, and cotton planting became quite general on the coastal plain. Much cold weather prevailed during the next two months, with the wettest April of record, resulting in irregular germination and unsatisfactory stands of corn and cotton and other spring crops. In consequence, much of the seasonal advance of vegetation was lost by the close of May. Precipitation was noticeably deficient during June and July; cotton maintained good to excellent condition, but all other crops suffered from semi-drought. The hot weather and deficient rainfall during August was attended by general deterioration of crops, including cotton. Marked improvement attended the rains of the first week of September, but the early cotton and early corn crops were practically past recovery, and a late season then became necessary for the intermediate and late crops to satisfactorily mature. A warm October was especially favorable for all late crops and the housing of products. The late growing season, which ended in November and about two weeks later than usual, added materially to the late cotton top crop. December was unusually mild and pleasant until about Christmas, when the usual winter conditions set in, the mean temperature being 13.1° above that of December, last year.

The last general spring killing frosts occurred on March 11 and 12, and the first general killing frosts of autumn occurred between November 2 and 14. The average latest spring killing frost date for 1918 was March 4, or 18 days earlier than normal, and the average earliest autumn killing frost date was November 22, or 12 days later than normal. The growing season was 263 days in length, or 30 days more than normal, and longer in a large portion of the Section than any previous season of record.

During the growing season, March to September, inclusive, the total rainfall was 27.91 inches, or 3.18 inches below the 32-year average. There was a deficiency of nearly 4 inches during the summer months when rainfall was most needed.

Freshets in the Santee and Pee Dee River Districts during portions of 8 months of the year were attended by unavoidable losses approximating $458,039, and the value of movable property saved by timely flood warnings has been conservatively estimated at $371,677.

The annual mean temperature was 63.2°, or 0.3° above the 32-year normal. The warmest month was August, with a mean of 80.2°, or 1.3° above normal; coldest month, January, with a mean of 37.3°, or 8.2° below normal, and the coldest of record. The highest annual mean at any station was 66.4° at St. George, Dorchester County; lowest annual mean, 60.2° at Greenville, Greenville County, and at Landrum, Spartanburg County. The highest temperature was 106° at Blackville, Barnwell County, on June 1, and at Allendale, Barnwell County, on August 15; lowest temperature, 2° below zero at Landrum, Spartanburg County, and at Newberry, Newberry County, on January 1.

The average annual precipitation was 46.48 inches, or 1.16 inches below the 32-year normal. The greatest annual amount at any station was 70.59 inches at Liberty, Pickens County; least annual amount, 31.33 inches at Charleston. The greatest monthly amount was 15.11 inches at Oaks, Georgetown County, in April; least monthly amount, 0.27 inch at Charleston, in June. The greatest 24-hour amount at any station during the year was 7.32 inches at Greenville on October 24-25 The average annual number of days with measurable precipitation was 94; greatest number at any station, 137 at Walhalla, Oconee County; least number, 68 at Georgetown, Georgetown County, and Heath Spring, Lancaster County.

The total amounts of snowfall ranged from Traces to 10.2 inches, and the snows were confined principally to three periods in January.

The average annual atmospheric pressure, determined from reports of 8 regular Weather Bureau Stations, was 30.06 inches. The highest pressure in the region covered by the reports was 30.75 inches at Asheville, N. C., on February 21, and in the Section proper, 30.65 inches at Columbia on February 21 and December 19; the lowest pressure was 29.01 inches at Charlotte, N. C., on January 11, and in the Section proper, 29.05 inches at Greenville on the same date.

The average annual sunshine, determined from 8 automatic records, was 68% of the possible amount. The average number of clear days was 186; partly cloudy, 85, and cloudy, 94, as against normals of 170, 102, and 93 days, respectively.

The average annual relative humidity at 8 a. m. was 81%, and at 8 p. m. 70%.

The prevailing wind was from the southwest. The average annual hourly wind velocity, determined from 8 anemometer records, was 8.0 miles. The highest recorded velocity during the year was 63 miles per hour from the southwest at Columbia on January 11, or 3 miles per hour above the record for that point.

A remarkably brilliant meteor was observed throughout South Carolina and adjacent states during the evening of April 23, 1918.

WEATHER BY MONTHS.

January.—The year opened with the coldest month of record, and zero temperatures were recorded for the first time in January during the past 32 years. The longest period of sustained cold on record ended with the warm wave of the 26th, the abnormally low temperatures having continued since December 6, 1917, resulting in material damage to winter wheat and oats that had been sown broadcast. Precipitation was considerably above the average, and the snowfall ranged from traces to 10.2 inches. Moderate floods occurred in the Santee and Pee Dee River Districts at the close of the month.

February.—Exceptionally warm weather prevailed during February, as a whole—in fact, the warmest since 1890—and all vegetation quickened accordingly, with the growing season about one week early at the close of the month. Much of the winter-killed grain land was turned to spring oats, which came to good stands. Precipitation was decidedly below normal.

Winter.—Mean temperature, 42.5°, or 3.7° below normal. Precipitation averaged 7.81 inches, or 3.28 inches below normal.

March.—Like the preceding month, March was unusually warm and exceptionally dry. Outdoor work made good progress; corn planting extended northward over the central counties, and cotton planting became general on the coastal plain by the close of the month, when the woods had become green throughout practically the entire Section. Unavoidable flood losses during the month, estimated at $5,773; value of movable property saved by timely warnings, $51,900. General killing frosts were confined to the close of February and the early part of March.

April.—The temperature was somewhat below normal, with a period of abnormally cold weather between the 6th and 14th. The precipitation exceeded all previous April records. Snow flurries occurred up-State on the 9th and 11th. Cotton developed irregular stands, incident to cold, wet weather, but all other crops maintained generally good to excellent condition. Tobacco transplanting was finished during the month. Flood losses, estimated at $45,716; value of movable property saved by warnings, estimated at $107,527.

May.—The month opened unusually cold and closed abnormally warm. Precipitation was near normal, but was badly distributed as to amounts and time. Planters experienced much difficulty in developing good stands of cotton, incident to irregular thermal and moisture conditions. All other crops maintained good to excellent condition, except tobacco. Wheat and oat harvests began about the 20th and extended to the Piedmont by the close of the month.

Spring.—Mean temperature, 64.4°, or 1.5° above normal. Precipitation averaged 11.13 inches, or 0.92 inch above normal.

June.—Relatively seasonable temperatures prevailed after the first few days. Precipitation was noticeably deficient after

(CONTINUED ON PAGE 104.)

COMPARATIVE DATA FOR SOUTH CAROLINA.

Year.	Temperature. Mean.	Temperature. Highest.	Temperature. Lowest.	Precipitation Average.	Precipitation Average days with 0.01 inch or more.	Average number of days. Clear.	Average number of days. Partly Cloudy.	Average number of days. Cloudy.	Prevailing wind direction.
1887	62.3	110	5	43.43	101	......	......	......	......
1888	61.8	108	13	54.63	104	......	......	......	sw.
1889	62.0	102	10	46.76	86	......	......	......	se. †
1890	64.4	104	11	42.29	......	......	......	......	sw.
1891	63.0	......	13	47.52	......	......	......	......	......
1892	62.4	102	6	47.36	......	......	......	......	......
1893	63.0	104	3	53.68	98	......	......	......	sw.
1894	63.5	105	−1	50.49	105	154	123	88	sw.
1895	61.9	105	−6	48.99	88	154	116	95	sw.
1896	63.9	104	5	44.95	86	163	119	84	sw.
1897	63.3	107	3	46.40	99	158	102	105	sw.
1898	63.2	106	8	49.26	107	143	111	111	sw.
1899	62.8	105	−11	46.76	95	158	104	103	sw.
1900	63.2	106	1	49.79	96	167	99	99	sw.
1901	61.1	102	2	54.98	106	167	102	96	sw.
1902	62.6	107	10	46.43	98	172	99	94	sw.
1903	62.2	105	10	50.87	103	166	95	104	sw.
1904	61.7	105	8	40.98	95	188	87	91	sw. †
1905	62.6	107	0	45.10	92	169	85	111	sw. †
1906	63.3	102	11	54.81	107	159	103	93	sw.
1907	63.3	106	12	47.79	99	157	123	75	sw.
1908	63.7	100	12	53.33	94	169	114	83	sw.
1909	63.4	105	7	44.61	91	178	113	73	sw.
1910	62.7	103	11	45.31	91	181	111	73	sw.
1911	64.9	106	16	39.80	91	161	120	84	sw.
1912	62.5	109	6	54.32	102	177	70	119	sw.
1913	63.8	109	16	47.57	93	181	81	103	sw.
1914	62.5	108	11	43.39	96	163	110	92	w.
1915	62.9	106	17	48.89	93	190	92	83	w.
1916	63.4	103	10	43.91	93	184	97	85	sw.
1917	61.4	102	−6	43.49	97	192	85	88	sw.
1918	63.2	106	−2	46.48	94	186	85	94	sw.
Period	62.9	110	−11	47.64	96	170	102	93	sw.

† Also other directions.

MONTHLY AND ANNUAL CLIMATOLOGICAL DATA FOR SOUTH CAROLINA, YEAR 1918.

Months.	Temperature. Mean.	Temperature. Departures.	Temperature. Highest.	Temperature. Lowest.	Precipitation. Average.	Precipitation. Departures.	Precipitation. Greatest local monthly amount.	Relative humidity. Average—8 a. m.	Relative humidity. Average—8 p. m.	Percentage of possible sunshine.	Number of days. Rainy.	Number of days. Clear.	Number of days. Partly Cloudy.	Number of days. Cloudy.	Wind. Average hourly velocity.	Wind. Prevailing direction.
January	37.3	−8.2	82	−2	4.45	+1.04	10.40	80	72	52	10	13	6	12	9.9	w.
February	52.4	+5.4	88	11	1.89	−2.46	3.55	81	68	60	7	14	7	7	9.3	sw.
March	59.7	+4.9	89	29	1.83	−2.04	2.99	78	62	63	6	16	8	7	9.6	sw.
April	61.0	−1.3	92	32	5.82	+2.94	15.11	80	71	53	11	11	9	10	9.2	sw.
May	72.6	+1.1	100	31	3.48	+0.02	8.28	78	67	72	7	19	8	4	7.3	sw.
June	77.0	−0.5	106	50	3.44	−1.52	7.69	78	69	63	7	15	9	6	7.2	ne.
July	77.5	−2.3	103	50	5.02	−0.80	9.70	80	68	59	11	15	9	7	6.1	sw.
August	80.2	+1.3	106	52	4.45	−1.66	8.11	83	74	72	7	20	7	4	6.6	sw.
September	69.8	−4.3	96	36	3.87	−0.12	7.03	84	70	64	7	18	5	7	6.4	ne.
October	67.3	+4.0	93	33	3.75	+0.61	13.91	85	75	54	5	15	8	8	7.8	ne.
November	53.0	−0.7	86	26	3.13	+0.85	5.89	82	68	66	7	18	3	9	7.6	ne.
December	50.8	+4.5	82	17	5.35	+1.96	13.44	84	76	43	9	12	6	13	8.8	w.
Annual	63.2	*+0.3	106	−2	46.48	*−1.16	15.11	81	70	68	94	186	85	94	8.0	sw.

* From 32-year averages.

KILLING FROST OR FREEZING TEMPERATURE DATES AND GROWING DAYS.

Stations.	1918. Last in spring.	1918. First in autumn.	Averages—all records. Last spring date.	Averages—all records. First autumn date.	Averages—all records. No. of growing days.
EASTERN PORTION.					
Allendale	....	....	Mch. 13	Nov. 16	248
Beaufort	Jan. 24	....	Feb. 28	Nov. 30	275
Blackville	Feb. 5	....	Mch. 19	Nov. 14	240
Bowman	Mch. 30	Nov. 3	Mch. 23	Nov. 5	227
Centenary	Mch. 31	Nov. 3	....	....	....
Charleston	Feb. 5	Dec. 29	Feb. 19	Dec. 11	295
Cheraw	Feb. 22	....	Apr. 1	Nov. 3	216
Conway	Feb. 23	Nov. 8	Mch. 19	Nov. 8	228
Darlington	Apr. 6	Nov. 3	Mch. 22	Nov. 1	217
Ferguson	Mch. 31	Nov. 14	Mch. 25	Nov. 7	227
Florence (1)	Mch. 12	Dec. 26	Mch. 22	Nov. 9	232
Garnett	....	Nov. 8	....	....	....
Georgetown	Feb. 6	Nov. 14	Mch. 10	Nov. 21	256
Kingstree	Feb. 24	Nov. 8	Mch. 13	Nov. 19	251
Oaks	Mch. 31	Nov. 14	....	....	....
Orangeburg	Mch. 31	Nov. 14	....	....	....
Paris Island	....	Dec. 28	....	....	....
Pinopolis	Feb. 6	Dec. 29	Mch. 4	Nov. 29	270
St. George	Feb. 6	Nov. 14	Mch. 9	Nov. 15	251
St. Matthews	Feb. 6	Nov. 14	Mch. 13	Nov. 14	246
Society Hill	Mch. 11	Nov. 3	Mch. 19	Nov. 10	236
Summerville	Feb. 6	Dec. 26	Mch. 15	Nov. 14	244
Walterboro	Feb. 25	Nov. 14	Mch. 15	Nov. 9	239
Yemassee	Feb. 6	Nov. 8	Mch. 11	Nov. 14	248
Normal	....	....	Mch. 16	Nov. 14	243
Averages for 1918	Feb. 27	Nov. 21	....	....	265
WESTERN PORTION.					
Aiken	Feb. 6	Dec. 29	Mch. 30	Nov. 10	225
Anderson	Mch. 11	Nov. 13	Mch. 28	Nov. 4	221
Batesburg	Feb. 7	Dec. 25	Mch. 29	Nov. 11	227
Calhoun Falls	Feb. 27	Nov. 13	....	....	....
Camden	Feb. 6	....	Mch. 22	Nov. 8	231
Clemson College	Mch. 11	Nov. 13	Apr. 3	Oct. 31	211
Columbia	Feb. 6	Dec. 26	Mch. 20	Nov. 18	243
Greenville	Mch. 11	Dec. 2	Apr. 6	Nov. 1	209
Greenwood	Mch. 12	Nov. 13	Mch. 23	Nov. 9	231
Heath Spring	Mch. 11	Dec. 26	Mch. 27	Oct. 31	218
Kershaw	Mch. 11	Nov. 25	....	....	....
Landrum	May 2	Nov. 2	....	....	....
Laurens	....	Nov. 13	....	....	....
Liberty	Mch. 11	Nov. 13	Apr. 1	Nov. 1	214
Little Mountain	Mch. 11	Nov. 13	Mch. 24	Nov. 12	233
Meriwether	....	Nov. 3	Mch. 23	Nov. 2	224
Monetta	Mch. 11	Nov. 25	Mch. 25	Nov. 4	224
Newberry	Mch. 11	Nov. 13	Mch. 30	Nov. 1	216
Saluda	Apr. 13	Nov. 2	Apr. 3	Nov. 2	213
Santuck	Mch. 11	Nov. 13	Apr. 4	Oct. 29	208
Spartanburg	Mch. 11	Nov. 13	Mch. 24	Nov. 1	221
Trenton	Mch. 12	....	Mch. 17	Nov. 16	244
Walhalla	....	Nov. 2	....	....	....
White Oak	Mch. 11	Dec. 26	Mch. 27	Nov. 14	232
Winthrop College	Mch. 11	Nov. 25	Mch. 28	Nov. 7	224
Normal	....	....	Mch. 27	Nov. 6	224
Averages for 1918	Mch. 8	Nov. 23	....	....	260
Section Normal	....	....	Mch. 22	Nov. 10	233
Section averages for 1918	Mch. 4	Nov. 22	....	....	263

NOTE.—Killing frost data in above table determined according to the following standard: Last or first clear or partly cloudy day with temperature of 32° or lower and last or first cloudy day with 31° or lower, but without rain, sleet or snow; in case of precipitation, then the next succeeding day with proper temperature and weather was used. The average number of growing days is the difference between the average spring and autumn killing frost dates.

Climatological Data for the Year 1918.

Stations.	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).								Sky.			
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall.	Number rainy days.	Number clear days.	Number partly cloudy days.	Number cloudy days.	Prevailing direction of wind.
EASTERN PORTION.																				
Allendale	Barnwell	186	32		106	Aug. 15			37				0.67	Oct.						
Beaufort	Beaufort	21	31				14	Jan. 1	33											
Blackville	Barnwell	296	31		106	June 1	10	Jan. 1†	35	42.56	7.34	Apr.	1.54	Mar.	1.3	80	230	61	74	
Bowman	Orangeburg	160	18	63.2	104	June 2†	6	Jan. 1	18	50.09	9.70	July	1.46	Oct.	1.3	89	208	85	72	w.
Centenary	Marion	43	3	63.9	99	June 1†	5	Jan. 1	3	53.74	12.58	Apr.	0.89	Mar.	2.1	84	131	133	101	sw.
Charleston	Charleston	48	48	65.9	100	July 7	18	Jan. 13	48	31.33	7.69	July	0.27	June	0.5	93	160	88	117	sw.
Cheraw	Chesterfield	144	32		101	June 2†	5	Jan. 4	36	39.23	6.80	Apr.	1.61	Mar.	1.6	76				
Conway	Horry	25	22	63.9	99	June 1†	6	Jan. 1	31	49.64	8.99	Apr.	0.73	Oct.	T.	92				ne.
Darlington	Darlington	175	21				6	Jan. 1	24		6.18	Apr.	0.72	Mar.	1.5					
Edisto ‡‡	Bamburg	143							31	39.62	7.16	July	1.57	Feb.	2.0	92				
Effingham	Florence	106							28	48.12	8.33	Apr.	0.69	Mar.	1.0	84				
Ferguson	Orangeburg	63	31	63.5	102	Aug. 14	13	Jan. 4	33	46.83	6.12	Sept.	1.36	Mar.	0.7	99	174	82	109	sw.
Florence 1	Florence	136	31	63.9	102	June 2	9	Jan. 13	37	47.16	7.68	May	1.43	Feb.	2.0	79				sw.
Florence 2	Florence	136	2						37	52.14	8.28	May	1.37	Mar.	1.0	72	219	80	66	w.
Garnett	Hampton	82	1						1											
Georgetown	Georgetown	12	26	66.0	104	Aug. 15	13	Jan. 1	26	48.99	8.60	Apr.	0.50	Oct.	T.	68	224	93	48	e.
Kingstree	Williamsburg	54	31	63.9	101	Aug. 14	9	Jan. 1	37	45.00	5.81	Sept.	1.59	Mar.	0	74	216	36	113	e.
Oaks	Georgetown		3		98	July 6	7	Jan. 1	3	50.88	15.11	Apr.	0.64	Oct.	1.0	108				
Orangeburg	Orangeburg	264	3	63.5	105	Aug. 14	10	Jan. 1†	3	40.67	7.00	Aug.	1.30	Oct.§	1.0	73	182	43	140	
Paris Island	Beaufort	13																		
Pinopolis**	Berkeley	54	22		94	July 7†	16	Jan. 1	72		8.91	July	0.87	Oct.	T.					
Rimini	Clarendon	97							8	41.06	6.00	Dec.	1.53	Mar.	2.5	87				
St. George	Dorchester	109	32	66.4	104	Aug. 14	16	Jan. 1	37	34.72	5.28	July	0.92	Oct.	1.0	98	215	51	99	sw.
St. Matthews	Calhoun	269	32		105	June 2	5	Jan. 1	37	42.00	6.95	July	1.47	Oct.	1.5	76	214	89	62	s.
Society Hill	Darlington	192	28	62.5	102	June 2†	8	Jan. 1	28	42.74	6.52	May	1.47	June	0.3	98	214	59	92	s.
Summerville	Dorchester	75	21	64.9	101	June 2	10	Jan. 1	21	48.81	8.56	July	0.97	Mar.	0.5	102	84	244	37	sw
Walterboro	Colleton	69	16		102	June 2†	10	Jan. 1	16	39.09	5.13	Apr.	1.45	Oct.	T.					
Yemassee	Hampton	24	25	65.1	101	June 2†	11	Jan. 1	30	38.19	4.73	May	1.69	Oct.	0.5	80	238	27	100	ne.
Division means and extremes.				64.4	106	June 1†	5	Jan. 1		43.74	15.11	Apr.	0.27	June	0.9	83	195	82	88	sw.
WESTERN PORTION.																				
Aiken	Aiken	527	29	65.7	101	June 2	9	Jan. 13	53	33.70	5.04	Apr.	1.53	Sept.	T.	87	226	19	120	w.
Anderson	Anderson	764	31	61.3	98	June 1†	3	Jan. 1†	35	56.55	7.71	Dec.	2.22	Mar.	1.5	111	216	10	139	w.
Batesburg	Lexington	656	31	62.8	100	Aug. 14	9	Jan. 13	35	43.77	6.32	Apr.	1.99	July	4.7	91	199	75	91	sw.
Blairs	Fairfield	293							14	42.90	6.06	Apr.	1.87	Feb.	1.0	97				
Calhoun Falls	Abbeville	508	2		102	June 1†	5	Jan. 1†	26	56.75	7.85	Dec.	1.94	Feb.	3.4	92	170	63	132	s.
Camden	Kershaw	222	42				10	Jan. 1	71	35.42	5.86	Apr.	1.28	Oct.	1.6	88	219	76	70	ne.
Catawba	York	562							13	44.73	6.84	Apr.	1.48	Apr.	2.0	86				
Chappells	Newberry	462							14	44.30	5.96	July	1.36	Mar.	2.5	92				
Clemson College	Oconee	850	24	60.9	93	June 1†	0	Jan. 1	27	63.07	10.55	Oct.	1.77	May	2.0	76	220	68	77	w.
Columbia	Richland	351	32	64.0	101	June 2	6	Jan. 1	32	33.70	7.23	Apr.	1.15	July	1.0	104	141	96	128	ne.
Edgefield	Edgefield								6	38.73	7.05	Apr.	1.16	Mar.	1.9	87				
Gaston Shoals‡‡	Cherokee	680							6	55.37	7.49	Oct.	2.11	Feb.	10.1	104				
Greenville	Greenville	989	27	60.2	96	Aug. 6	4	Jan. 13	35	60.93	11.41	Oct.	2.14	July	2.8	131	125	128	112	ne.
Greenwood	Greenwood	671	32		98	June 2	4	Jan. 1	35	47.83	6.12	Dec.	1.97	Feb.	5.2	87				w.
Heath Spring	Lancaster	568	17		100	June 1	7	Jan. 13	17	35.11	5.66	Apr.	1.70	Feb.	1.0	68	90	206	69	w.
Kershaw	Kershaw	500	3		103	Aug. 14	6	Jan. 1	3	39.53	5.64	Jan.	1.48	Feb.	0.5	95	246	12	107	w.
Landrum	Spartanburg	1063	4	60.2	98	June 1	−2	Jan. 1	4	62.85	12.15	Oct.	2.19	Mar.	6.6	117				
Laurens	Laurens	589	1		99	June 2			1											
Liberty	Pickens	900	26	61.5	98	June 2	0	Jan. 1	26	70.59	10.40	Jan.	2.34	Mar.	10.2	119	144	152	69	sw.
Little Mountain	Newberry	711	26	63.5	103	July 6	9	Jan. 1†	26	43.78	8.78	Jan.	1.80	Feb.	6.5	72	218	36	111	w.
Meriwether	Edgefield	450	16		104	June 2	8	Jan. 1	16		7.64	Jan.	1.00	May	1.0					
Monetta	Saluda	460	12	64.3	102	Aug. 14	8	Jan. 1†	12	39.70	5.72	Apr.	1.55	Sept.	0.9	109	113	188	64	sw.
Mountain Rest	Oconee	1380	3				−1	Jan. 1	3											
Newberry	Newberry	502	27	63.2	102	June 1	−2	Jan. 1	32	47.46	6.29	Jan.	1.70	Feb.	4.6	114	124	131	110	sw.
Pelzer	Anderson	850							15	59.29	9.51	Oct.	2.06	Mar.	3.0	118				
Saluda	Saluda	536	17	62.7	101	July 6†	4	Jan. 1	17	41.34	5.58	Apr.	1.60	Mar.	3.0	92	223	63	79	w.
Santuck	Union	512	26	61.6	102	June 2	2	Jan. 1	26	47.37	5.73	July	1.50	Feb.	3.5	107	172	107	86	ne.
Spartanburg	Spartanburg	875	31	60.5	101	June 1	3	Jan. 1	37	48.80	8.39	Oct.	1.95	May	1.5					
Trenton	Edgefield	620	26		100	Aug. 15			26											
Walhalla	Oconee	1061	17		101	Aug. 15			17	63.01	13.91	Oct.	1.58	May	3.0	137	137	136	92	sw.
White Oak	Fairfield	548	3	62.9	100	Aug. 14	4	Jan. 1	3	48.66	7.20	Jan.	1.53	Feb.	2.0	95	243	50	72	sw.
Winthrop College ‡‡	York	690	19	62.1	101	Aug. 6	7	Jan. 13	19	47.83	7.30	Apr.	1.37	Feb.	3.8	70	146	154	65	s.
Division means and extremes.				62.2	104	June 2	−2	Jan. 1		48.77	13.91	Oct.	1.00	May	3.2	98	177	88	100	sw.
Section means and extremes.				63.2	106	June 1†	−2	Jan. 1		46.48	15.11	Apr.	0.27	June	2.1	94	186	85	94	sw.

† On other dates also.
** Temperature data are from observed readings of the dry bulb; means are computed from observed readings.
‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Blacksburg; of Winthrop College, Rock Hill.
§Also in April.

Monthly and Annual Precipitation for the Year 1918, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
EASTERN PORTION.																										
Allendale	.....	.....	.....	.....	.....	.....	4.71	+2.13	2.79	-0.58	4.43	-0.97	3.78	-1.57	3.17	-2.59	3.73	-0.16	0.67	-2.11	.....	.....	.....	.....	.....	.....
Beaufort	.....	.....	0.81	-3.08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Blackville	4.16	+1.22	1.71	-2.76	1.54	-2.15	7.34	+4.04	3.00	-0.46	5.95	+0.33	3.50	-1.82	4.62	-1.15	2.10	-2.27	2.15	-0.83	3.32	+1.27	3.17	-0.31	42.56	-4.89
Bowman	2.13	-0.99	2.35	-1.88	2.07	-2.12	4.76	+1.28	2.32	-1.09	3.49	-2.25	9.70	+4.16	5.86	-0.06	4.93	+1.47	1.46	-1.29	4.30	+2.33	6.72	-3.20	50.09	+2.76
Centenary	3.02	.....	1.70	.....	0.89	.....	12.58	.....	3.55	.....	5.56	.....	4.56	.....	5.61	.....	5.27	.....	2.24	.....	1.33	.....	7.43	.....	53.74	.....
Charleston	1.13	-2.32	1.31	-2.10	1.65	-2.07	2.49	-0.50	3.65	+0.18	0.27	-5.12	7.69	+0.43	2.87	-4.10	3.10	-2.36	1.66	-2.27	2.34	-0.53	3.17	+0.02	31.33	-20.77
Cheraw	2.78	-0.04	1.62	-2.70	1.61	-2.11	6.80	+3.98	4.13	+0.59	1.88	-3.28	4.30	-1.52	3.71	-3.06	3.33	-0.30	2.66	-0.19	2.47	+0.28	3.94	+0.68	39.23	-7.77
Conway	3.76	+0.29	2.72	-1.87	0.85	-2.85	8.99	+6.08	3.37	+0.01	2.53	-2.54	5.11	-1.38	7.40	+0.34	2.96	-1.89	0.73	-2.77	3.56	+1.28	7.72	+4.52	49.64	-0.78
Darlington	2.27	-0.23	0.80	-3.80	0.72	-2.59	6.18	+3.03	5.56	+2.21	.....	.....	.....	.....	4.38	-0.57	5.22	+1.39	3.10	-0.24	2.40	+0.12	5.55	+2.76	.....	.....
Edisto	2.19	-0.88	1.57	-3.44	1.61	-2.45	3.62	0.00	2.29	-0.74	5.44	-1.15	7.16	+1.52	2.66	-3.68	3.38	-0.27	1.64	-0.73	3.19	+0.88	4.87	+1.41	39.62	-9.53
Effingham	2.16	-1.24	1.79	-3.64	0.69	-3.38	8.33	+5.15	7.30	+3.93	2.05	-4.30	5.93	+1.45	5.33	-1.08	5.39	+1.87	1.65	-1.40	2.44	+0.20	5.06	+1.76	48.12	-0.68
Ferguson	2.62	-0.72	1.95	-2.13	1.36	-2.03	6.11	+3.31	5.08	+0.91	2.70	-3.14	5.46	-0.46	3.37	-3.96	6.12	+2.32	2.69	-0.30	3.67	+1.29	5.70	+2.67	46.83	-2.24
Florence 1	1.56	-1.18	1.43	-2.97	2.20	-0.75	5.74	+2.97	7.68	+4.13	3.18	-2.23	4.95	-0.45	4.69	-0.81	6.02	+1.95	2.57	-0.55	1.68	-0.43	5.46	+2.68	47.16	+2.36
Florence 2	2.40	-0.34	1.49	-2.91	1.37	-1.58	7.94	+5.17	8.28	+4.73	3.43	-1.98	6.75	+1.35	4.47	-1.03	5.90	+1.83	2.30	-0.82	1.77	-0.34	6.04	+3.26	52.14	+7.34
Garnett	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.83	.....	0.90	.....	4.25	.....	4.11	.....	.....	.....
Georgetown	4.00	+0.65	1.85	-2.69	2.75	-0.70	8.60	+5.30	4.76	+1.82	1.70	-4.19	8.32	+1.37	3.00	-4.04	3.65	-0.52	0.50	-3.18	3.55	+1.12	6.31	+2.76	48.99	-2.30
Kingstree	2.96	-0.01	2.09	-2.14	1.59	-1.86	5.41	+2.75	3.73	+0.58	1.82	-3.60	5.26	-0.44	5.71	-0.79	5.81	+1.98	2.82	-0.02	2.36	+0.18	5.44	+2.32	45.00	-0.95
Oaks	2.62	.....	1.97	.....	1.02	.....	15.11	.....	6.17	.....	1.32	.....	7.15	.....	1.99	.....	3.34	.....	0.64	.....	3.80	.....	5.75	.....	50.88	.....
Orangeburg	3.10	.....	1.30	.....	1.40	.....	3.55	.....	2.07	.....	5.00	.....	6.11	.....	7.00	.....	2.70	.....	1.30	.....	2.67	.....	4.47	.....	40.67	.....
Paris Island	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.51	+2.19	5.89	+3.65	1.16	-1.64	.....	.....
Pinopolis	1.56	-1.54	1.98	-1.54	1.14	-2.51	.....	.....	.....	.....	2.92	-3.01	8.91	+2.63	3.36	-3.73	.....	.....	0.87	-2.26	4.85	+2.35	4.67	+1.71	.....	.....
Rimini	2.96	.....	1.94	.....	1.53	.....	3.97	.....	1.88	.....	3.94	.....	5.75	.....	4.98		4.07	.....	1.92	.....	2.12	.....	6.00	.....	41.06	.....
St. George	1.96	-0.71	1.74	-2.41	1.01	-2.52	3.11	+0.25	4.57	+1.39	1.44	-3.99	5.28	-0.73	4.31	-2.17	2.09	-1.97	0.92	-1.44	3.56	+1.61	4.73	+1.63	34.72	-11.06
St. Matthews	2.87	-0.19	2.33	-2.61	1.58	-1.94	4.31	+1.27	2.53	-1.08	4.48	-1.49	6.95	+1.54	5.28	-0.45	2.83	-0.81	1.47	-1.29	2.74	+0.60	4.63	+1.36	42.00	-5.02
Society Hill	2.66	-0.25	1.58	-3.18	2.16	-1.29	6.04	+2.75	6.52	+3.30	1.47	-4.36	3.13	-3.06	3.33	-2.63	4.85	+0.83	3.97	-0.84	2.57	+0.30	4.46	+1.20	42.74	-5.46
Summerville	1.62	-1.48	1.66	-2.78	0.97	-2.46	5.44	+1.96	2.96	-0.05	3.42	-2.34	8.56	+2.54	5.65	-2.37	7.03	+2.71	1.38	-2.56	4.07	+1.72	6.05	+2.50	48.81	-2.61
Walterboro	2.16	-0.76	2.75	-1.57	1.57	-2.29	5.13	+1.80	3.05	-0.60	2.90	-3.28	4.96	-2.38	3.54	-3.47	4.61	-0.25	1.4[illegible]	-1.81	4.17	+2.28	2.80	-0.55	39.69	-12.88
Yemassee	1.77	-1.02	1.19	-2.84	1.74	-1.83	4.19	+1.26	4.73	+1.43	3.06	-3.12	4.13	-2.62	4.17	-2.52	4.63	+0.39	1.69	-1.24	3.38	+1.32	3.51	+0.30	38.19	-10.49
Division means and departures.	2.52	-0.56	1.75	-2.64	1.46	-2.15	6.21	+3.15	4.07	+0.70	3.10	-2.80	5.88	+0.02	4.46	-1.98	4.33	+0.03	1.93	-1.41	3.06	+0.91	4.97	+1.76	43.74	-4.85
WESTERN PORTION.																										
Aiken	2.79	-0.81	2.04	-2.04	1.57	-2.44	5.04	+1.92	1.60	-1.86	2.88	-1.79	4.33	-0.37	1.97	-3.66	1.53	-1.81	2.85	+0.19	3.34	+0.63	3.76	+0.01	33.70	-12.03
Anderson	7.21	+3.46	2.53	-2.75	2.22	-2.81	6.23	+2.96	2.79	+0.15	3.78	-0.91	6.41	+0.88	5.01	-1.13	3.50	+0.10	5.89	+3.03	3.27	+0.47	7.71	+2.93	56.55	+6.38
Batesburg	4.45	+1.20	2.09	-3.79	2.24	-2.33	6.32	+3.23	5.03	+1.61	3.86	-1.22	1.99	-3.44	3.50	-2.52	2.82	-1.07	2.99	-0.26	3.57	+0.09	4.91	+0.95	43.77	-6.65
Blairs	5.21	+2.10	1.87	-2.03	2.15	-1.42	6.06	+3.95	3.13	+0.59	2.67	-2.37	3.18	-1.92	5.82	+1.19	2.71	-0.11	3.42	+0.74	2.64	+0.30	4.04	+0.04	42.90	+1.06
Calhoun Falls	5.87	+2.52	1.94	-3.22	2.08	-2.74	5.75	+2.17	2.28	-1.25	5.14	+0.27	7.06	-2.32	5.99	+1.13	3.79	-0.21	4.66	+1.81	4.34	+2.03	7.85	+3.43	56.75	+8.26
Camden	1.83	-1.56	1.65	-2.30	1.81	-1.98	5.86	+2.90	1.75	-1.51	3.04	-1.47	3.28	-1.80	4.72	-0.71	3.38	-0.37	1.28	-1.40	2.51	+0.06	4.31	+0.85	35.42	-9.29
Catawba	5.85	+2.65	1.48	-3.03	2.79	-1.34	6.84	+4.44	2.76	-0.56	3.21	-2.19	4.74	-1.00	2.63	-2.74	4.40	+1.19	2.79	-0.81	3.73	+1.29	3.48	-0.82	44.73	-2.95
Chappells	5.32	+2.47	1.82	-1.89	1.36	-2.20	5.15	+2.95	3.62	+1.09	3.01	-1.27	5.96	-1.89	3.52	-1.98	2.12	-0.94	3.43	+1.62	3.15	+1.06	5.51	+0.77	44.30	+2.37
Clemson College	10.11	+5.56	2.70	-2.72	2.78	-2.06	4.25	+0.47	1.77	-1.64	4.48	-0.46	6.48	+1.25	5.36	-0.11	4.00	-0.22	10.75	+7.21	3.00	+0.24	7.59	+2.46	63.07	+9.98
Columbia	2.16	-1.13	1.42	-3.17	1.54	-2.16	7.23	+4.37	1.56	-1.63	3.08	-1.10	1.15	-4.91	4.78	-2.00	3.31	-0.14	1.41	-1.44	2.15	-0.08	3.91	+1.01	33.70	-12.38
Edgefield	5.37	.....	1.31	.....	1.16	.....	7.05	.....	3.70	.....	3.97	.....	1.45	.....	2.52	.....	2.26	.....	2.65	.....	2.67	.....	4.62	.....	38.73	.....
Gaston Shoals	7.29	+3.45	2.11	-2.29	2.99	-1.72	4.97	+1.75	4.17	+1.20	4.43	-0.84	4.98	-3.00	3.09	-2.37	5.90	+2.93	7.49	+4.70	2.68	+0.11	5.27	+0.59	55.37	+4.51
Greenville	7.42	+3.17	2.99	-2.29	2.56	-2.94	4.84	+1.16	5.61	+1.29	5.96	+0.75	2.14	-3.28	3.07	-3.01	4.38	+0.47	11.41	+8.45	3.18	0.00	7.37	+2.52	60.93	+6.38
Greenwood	5.94	+2.35	1.97	-2.84	2.22	-1.85	4.91	+1.98	2.17	-1.45	3.62	-0.68	4.50	-0.59	4.25	-1.09	3.37	-0.42	4.80	+2.04	3.90	+1.15	6.12	+1.64	47.83	+0.54
Heath Spring	3.07	-0.18	1.70	-2.58	2.18	-1.49	5.66	+2.73	1.91	-1.29	2.73	-2.88	2.19	-2.06	3.72	-2.63	3.25	+0.07	2.01	-0.62	2.90	+0.33	3.79	-0.47	35.11	-11.07
Kershaw	5.64	.....	1.48	.....	2.27	.....	5.28	.....	3.41	.....	2.61	.....	2.85	.....	3.63	.....	3.50	.....	1.58	.....	2.66	.....	4.62	.....	39.53	.....
Landrum	6.26	.....	2.69	.....	2.19	.....	3.81	.....	2.95	.....	7.69	.....	4.72	.....	4.14	.....	5.66	.....	12.15	.....	3.04	.....	7.55	.....	62.85	.....
Laurens	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.39	.....	7.34	.....	5.13	.....	3.85	.....	8.97	.....	4.08	.....	5.88	.....	.....	.....
Liberty	10.40	+6.13	3.55	-2.24	2.34	-3.07	4.11	-0.52	3.53	-0.86	3.86	-1.54	6.82	+1.02	8.11	+1.35	5.00	+0.94	9.95	+6.19	3.63	+0.84	9.29	+3.08	70.59	+11.32
Little Mountain	8.78	+5.72	1.80	-2.99	2.02	-1.85	5.68	+2.51	2.70	-0.15	2.62	-1.99	3.30	-1.44	3.36	1.94	2.11	-0.85	3.37	+0.36	3.24	+0.73	4.80	+1.51	43.78	-0.38
Meriwether	7.61	+4.70	1.50	-3.08	.....	.....	.....	.....	1.00	-1.48	4.80	+0.07	.....	.....	.....	.....	2.61	-0.46	2.90	-0.55	3.71	+1.03	3.89	-0.03	.....	.....
Monetta	3.20	-0.04	1.82	-3.01	2.56	-1.31	5.72	+3.09	2.68	+0.12	3.84	-1.84	5.24	+0.88	2.85	-2.11	1.55	-2.03	2.94	+1.40	3.22	+1.05	4.08	+2.77	39.70	-4.73
Mountain Rest	7.51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Newberry	6.29	+2.84	1.70	-2.44	2.31	-1.54	6.23	+3.46	4.36	+1.40	2.96	-1.40	3.61	-0.83	6.22	+1.78	3.08	+0.05	3.15	+0.40	2.97	0.00	4.58	-0.34	47.46	+2.38
Pelzer	8.26	+4.52	2.16	-2.32	2.06	-2.74	4.54	+1.00	3.24	-0.50	2.86	-1.66	5.36	+0.06	7.12	+2.63	4.18	+0.97	9.51	+6.20	3.12	+0.57	6.88	+1.42	59.29	+10.15
Saluda	5.57	+2.24	2.00	-2.74	1.60	-2.46	5.58	+3.11	3.31	+0.77	3.25	-1.77	4.27	+0.06	3.15	-2.72	1.95	-1.35	2.76	-0.28	2.68	+0.15	5.22	+1.21	41.34	-3.78
Santuck	5.60	+2.14	1.50	-3.44	2.34	-2.12	5.43	+2.15	2.52	-0.43	3.86	-0.37	5.73	+0.78	3.57	-2.25	3.82	+0.35	4.23	+0.98	3.98	+1.17	4.79	+0.51	47.37	-0.53
Spartanburg	6.27	+3.07	2.64	-2.12	2.80	-2.15	3.46	+0.39	1.95	-2.08	3.44	-1.37	4.50	-0.25	2.00	-3.76	4.43	+1.12	8.39	+5.72	3.29	+0.42	5.63	+1.43	48.80	+0.92
Trenton	.....	.....	.....	.....	1.16	-3.27	6.05	+2.72	5.79	+2.93	4.46	-0.21	3.41	-2.24	1.76	-4.62	2.02	-1.35	1.90	-1.40	2.40	-0.18	4.41	+0.45	.....	.....
Walhalla	7.71	+3.52	3.25	-1.97	2.00	-4.02	3.58	-1.04	1.58	-2.45	3.25	-1.95	4.06	-1.90	3.19	-2.83	3.52	-1.93	13.91	+10.95	3.52	+1.11	13.44	+9.08	63.01	+6.57
White Oak	7.20	+3.92	1.53	-2.75	2.82	-1.27	6.40	+3.63	4.31	+1.21	4.10	-0.28	2.93	-1.99	5.97	+0.31	2.71	-0.75	3.45	1.46	3.01	+0.77	4.23	+0.74	48.66	+4.00
Winthrop College	4.98	+1.96	1.37	-2.75	1.90	-2.05	7.30	+4.28	3.58	-0.58	3.13	-2.25	5.71	+0.82	2.83	-2.98	5.80	+2.52	3.17	+0.26	3.16	+0.80	4.90	+0.31	47.83	+0.34
Division means and departures.	5.99	+2.59	2.02	-2.67	2.14	-2.23	5.49	+2.23	3.03	-0.41	3.70	-1.18	4.33	-0.05	4.43	-1.18	3.44	-0.17	5.35	+2.37	3.19	+0.59	5.67	+1.29	48.77	+1.10
Section means and departures.	4.45	+1.04	1.89	-2.46	1.83	-2.04	5.82	+2.94	3.48	+0.02	3.44	-1.52	5.02	-0.80	4.45	-1.66	3.87	-0.12	3.75	+0.61	3.13	+0.85	5.35	+1.96	46.48	-1.16

The departures from the normal precipitation are computed only for such stations as have ten or more years of record.

Monthly and Annual Mean Temperatures for the Year 1918, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
EASTERN PORTION.																										
Allendale							63.2	−1.1	73.8	+0.6	^{f}79.9	+0.9	80.0	−3.8	82.8	+2.5	^{a}78.9	−2.1	^{c}70.6	+5.8						
Beaufort			54.5	+3.1	59.5	+0.1																				
Blackville	42.2	− 4.9	55.5	+8.3	63.0	+4.9	62.8	−1.1	73.8	+0.3	78.0	−1.5	78.9	−2.8	^{c}81.3	+0.8	73.6	−2.0					54.0	+6.7		
Bowman	39.1	− 8.9	52.6	+5.2	59.4	+1.2	62.1	−1.4	71.4	−0.9	77.5	−0.5	77.2	−3.2	79.6	+0.2	70.0	−5.2	66.3	+2.1	52.3	−1.9	50.7	+3.3	63.2	−0.8
Centenary	40.2		54.2		61.0		62.4		72.6		76.0		78.0		80.3		69.8		68.0		^{a}52.6		51.8		63.9	
Charleston	42.4	− 6.9	55.2	+3.5	62.0	+4.8	63.5	−0.3	73.2	+0.8	78.6	+0.1	79.4	−1.9	82.2	+1.9	73.2	−3.0	70.7	+3.6	56.6	−1.5	53.5	+2.2	65.9	+0.3
Cheraw	35.0	− 8.4	^{a}47.8	+3.3			59.2	−2.2	72.6	+1.8	76.0	−1.4	77.4	−2.8	79.4	+1.1	69.1	−4.0	^{c}64.2	+2.6			51.8	+8.1		
Conway	39.0	− 9.1	^{a}54.0	+6.7	64.4	+7.6	62.4	−0.4	73.5	+2.5	75.8	−1.3	77.8	−2.3	80.4	+1.1	70.0	−4.8	66.6	+2.4	52.4	−1.7	50.8	+2.9	63.9	+0.3
Darlington	36.3	− 9.3	50.9	+6.3	59.0	+2.7	61.1	−0.6	72.8	+1.4					80.0	+1.2	^{a}69.2	−5.1	^{a}66.4	+3.0	^{a}53.0	+0.9	50.3	+5.1		
Ferguson	38.4	− 8.9	52.8	+5.1	60.0	+3.7	61.0	−1.2	72.7	+1.6	77.2	+0.1	77.8	−1.6	^{a}80.3	+2.1	70.6	−3.4	67.5	+4.2	53.2	−1.9	50.5	+2.3	63.5	+0.2
Florence 1	37.8	− 7.2	52.9	+7.3	61.6	+5.8	61.4	−1.0	73.6	+1.3	76.9	−1.8	78.6	−2.8	80.8	+0.6	71.4	−3.3	68.6	+5.0	53.2	−0.6	50.4	+5.5	63.9	+0.7
Garnett																	73.7		71.2		55.0		54.2			
Georgetown	41.4	− 7.0	54.6	+6.1	62.6	+4.1	63.0	−0.5	74.0	+1.8	78.0	−0.6	79.8	−0.8	82.8	+2.7	73.3	−2.6	71.0	+5.6	57.0	+1.0	^{a}54.9	+5.9	66.0	+1.3
Kingstree	37.8	− 9.7	52.5	+5.4	59.4	+2.1	61.8	−1.3	72.8	+1.0	77.0	−1.1	78.2	−2.2	81.0	+1.6	71.0	−3.5	68.9	+4.8	53.6	−1.2	52.6	+4.9	63.9	−0.1
Oaks	41.0		54.6		^{a}61.4		^{i}60.4		^{c}72.6		^{c}75.8		^{b}77.2		^{l}80.7								^{j}55.2			
Orangeburg	35.3		52.2		59.2		61.6		72.1		78.0		^{d}77.6		80.4		71.1		^{b}69.6		54.0		51.0		63.5	
Paris Island																			71.8	+4.4	57.6	−1.0	55.0	+3.2		
Pinopolis	42.9	− 4.4	53.5	+5.4	58.0	+2.2					73.8	−2.8	74.7	−3.7	76.2	−1.7			65.4	+1.2	53.8	−0.8	50.7	+3.3		
St. George	42.8	− 4.6	56.4	+9.3	62.8	+4.9	64.6	+0.6	74.4	+1.7	79.6	+1.0	79.8	−1.0	82.4	+2.6	^{a}73.3	−1.6	70.8	+6.2	56.2	+1.0	54.2	+6.5	66.4	+2.2
St. Matthews	38.2	− 7.8	53.4	+7.5	60.6	+4.5	62.2	−0.8	73.7	+1.9	77.7	−0.1	77.9	−2.3	^{b}81.1	+1.8	72.4	−1.8			^{a}54.4	−0.1	51.6	+5.3		
Society Hill	35.8	− 8.1	50.5	+6.1	58.4	+3.2	^{i}60.6	−1.2	73.2	+2.2	^{a}77.0	− 0.1	78.4	−1.1	^{b}79.6	+1.2	^{c}69.9	−3.3	^{b}65.8	+4.0	51.5	−0.7	49.0	+4.0	62.5	+0.5
Summerville	42.0	− 7.0	56.0	+7.2	62.4	+3.7	63.9	+0.6	72.4	+0.4	78.1	+0.7	78.0	−1.9	80.4	+1.1	70.8	−4.2	68.8	+3.9	53.8	−1.6	53.2	+4.3	64.9	+0.5
Walterboro	^{f}43.8	− 7.3	55.6	+5.2	63.2	+2.4	63.8	−1.4	^{c}72.4	−0.6	78.5	+0.1	^{a}77.6	−2.5	81.4	+1.0	72.2	−4.7			^{h}56.6	−0.3	52.4	+2.1		
Yemassee	^{a}41.6	− 6.3	55.4	+7.0	62.6	+4.4	64.4	+0.6	71.6	−1.2	77.4	−1.2	77.6	−3.6	80.4	+0.3	72.5	−3.0	70.1	+5.0	55.2	+0.1	52.4	+4.7	65.1	+0.6
Division means and departures.	39.9	− 7.4	53.9	+6.6	61.0	+3.8	62.3	−0.7	73.0	+0.9	77.3	−0.7	78.1	−2.2	80.8	+1.3	71.3	−3.7	68.8	+4.6	54.3	−0.4	52.4	+5.0	64.4	+0.6
WESTERN PORTION.																										
Aiken	40.0	− 5.9	56.0	+7.0	62.9	+7.8	63.0	+0.1	73.3	+2.0	79.8	+2.2	79.6	−0.6	^{c}82.0	+3.4	72.7	−1.4	70.2	+6.9	57.2	+3.3	52.0	+4.8	65.7	+2.4
Anderson	33.4	−11.3	50.6	+6.7	58.4	+4.0	58.6	−2.7	71.5	+0.9	75.6	−0.8	76.0	−3.9	78.6	0.0	67.8	−6.4	65.2	+2.4	51.8	−1.0	48.0	+4.0	61.3	−0.7
Batesburg	36.0	− 9.4	52.2	+7.4	60.0	+4.9	59.2	−2.2	72.0	+0.3	76.6	−1.2	77.4	−0.6	80.4	+1.7	69.9	−4.0	67.8	+4.7	52.2	−1.5	50.2	+4.5	62.8	+0.2
Calhoun Falls	34.4		50.2		58.2		59.6		73.2				78.9		81.0		68.6		64.8		51.8		48.1			
Camden	^{k}36.5	− 9.7	50.6	+3.1	59.2	+4.7	63.2	−0.8	^{k}74.8	+3.8													^{a}53.3	+3.8		
Clemson College	^{a}35.3	− 7.0	50.8	+8.4	58.2	+5.6	59.0	−0.4	69.6	+0.4	^{b}74.2	−1.6	74.7	−3.1	77.2	−0.5	66.3	−6.5	^{c}64.6	+3.3	51.2	+0.8	49.6	+7.0	60.9	+0.5
Columbia	38.2	− 6.9	53.8	+6.0	60.6	+6.6	61.6	−1.2	73.8	+2.0	78.3	+0.1	78.9	−2.2	80.8	+1.3	70.4	−3.3	67.8	+3.8	53.2	−0.6	51.2	+4.0	64.0	+0.8
Greenville	32.8	− 7.9	49.4	+8.9	56.6	+6.0	56.6	−1.7	70.7	+3.2	74.8	+0.4	75.2	−1.8	77.5	+2.0	66.6	−4.3	63.7	+3.8	50.6	+0.9	47.9	+6.7	60.2	+1.4
Greenwood	32.8	−10.0	48.8	+5.8	56.2	+3.0	57.6	−3.5	70.8	−0.5	75.8	−2.0	76.3	−3.7	77.4	−1.3	67.9	−5.5			51.2	−0.8	48.6	+5.3		
Heath Spring	34.0	− 9.1	46.8	+4.8	57.3	+3.2	57.4	−3.0	71.7	+0.9	74.2	−2.9	^{j}76.4	−4.0	^{e}81.0	+1.6	68.6	−5.2			^{j}53.1	+2.2				
Kershaw	34.8		48.0		58.1				72.1		76.2		77.2		80.0		69.2		67.0		52.4		49.6			
Landrum	32.8		49.6		57.0		^{c}57.8		70.8		74.6		74.3		78.3		66.2		63.3		50.2		47.0		60.2	
Laurens									^{g}69.9		^{e}74.8				^{a}77.6		65.9		63.0		48.9		^{a}47.4			
Liberty	33.4	− 9.4	50.0	+7.5	57.6	+4.5	59.2	−1.1	72.6	+2.6	77.0	+0.7	76.4	−2.8	79.0	+0.9	68.0	−4.9	65.4	+4.0	50.8	+0.1	48.4	+5.6	61.5	+0.7
Little Mountain	38.6	− 6.7	53.2	+8.0	58.9	+2.7	^{a}60.2	−1.7	72.6	+0.4	79.1	+1.2	79.6	−0.8	80.9	+1.5	70.7	−4.3	^{a}66.6	+2.5	52.0	−1.8	49.6	+4.0	63.5	+0.4
Meriwether			^{a}51.5	+5.1					^{c}73.3	+2.5	^{b}78.9	+1.4			^{a}81.6	+2.8			67.0	+3.6	^{e}52.0	−0.7	^{c}49.9	+3.7		
Monetta	38.2	− 9.7	54.5	+6.7	61.3	+5.5	62.2	−1.8	73.6	+1.4	78.8	+1.6	78.6	−1.1	80.6	+1.8	70.6	−3.7	68.5	+4.4	53.8	−0.6	50.8	+5.0	64.3	+0.8
Mountain Rest	31.6																									
Newberry	35.7	− 9.1	52.9	+8.7	59.2	+4.0	60.8	−1.2	73.0	+1.7	78.6	+0.2	78.8	−2.0	80.6	+1.2	69.8	−5.0	66.8	+4.3	52.6	+0.8	49.5	+4.9	63.2	+0.7
Saluda	37.0	− 8.4	51.8	+5.5	59.6	+2.4	60.3	−2.2	71.9	+0.3	76.8	−1.2	77.8	−2.7	79.5	+0.1	69.2	−5.2	66.2	+3.3	50.5	−2.5	51.8	+6.1	62.7	−0.4
Santuck	34.5	− 8.5	50.7	+8.1	57.3	+3.7	^{a}59.7	−0.5	72.2	+1.8	77.2	+0.5	77.0	−2.6	78.6	+0.1	67.4	− 6.0	65.3	+3.8	50.8	−0.3	49.0	+5.8	61.6	+0.4
Spartanburg	31.0	−10.5	^{a}48.4	+6.0	55.8	+4.5	56.9	−3.3	72.1	+2.6	76.1	0.0	76.6	−2.7	79.0	+1.5	67.2	−4.9	63.4	+2.6	51.8	+1.1	47.8	+5.2	60.5	+0.1
Trenton					^{l}59.4	+2.8	60.8	−1.8	^{c}72.8	+0.4					80.2	+1.6	70.6	−4.7					^{b}51.0	+4.0		
Walhalla																	66.2	−4.6	64.4	+4.5	50.5	−0.3	48.0	+5.0		
White Oak	36.2	− 7.4	52.5	+7.4	59.2	+5.7	^{a}60.9	− 0.2	72.5	+1.3	77.2	+0.5	77.3	−2.3	80.2	+2.1	69.6	−3.6	67.1	+4.7	52.8	−0.1	49.6	+7.0	62.9	+1.3
Winthrop College	34.4	− 9.1	50.4	+7.7	58.0	+4.1	59.3	−1.2	72.4	+2.2	76.4	+0.4	77.2	−2.7	80.2	+1.6	68.8	−4.4	66.2	+4.3	52.0	+0.3	50.2	+7.1	62.1	+0.8
Division means and departures.	35.1	− 9.0	51.1	+6.8	58.5	+4.2	59.8	−1.2	72.2	+1.4	76.7	−0.3	77.0	−2.4	79.6	+1.1	68.6	−5.2	65.9	+3.6	51.9	−0.2	49.5	+5.3	62.2	+0.4
Section means and departures.	37.3	− 8.2	52.4	+5.4	59.7	+4.9	61.0	−1.3	72.6	+1.1	77.0	−0.5	77.5	−2.3	80.2	+1.3	69.8	−4.3	67.3	+4.0	53.0	−0.7	50.8	+4.5	63.2	+0.3

The departures from the normal temperature are computed only for such stations as have ten or more years of record.
Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing: For example, ^{b} represents two days missing, etc.

Monthly Maximum Temperatures for the Year 1918, with Dates.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.
EASTERN PORTION.																								
Allendale	.....	.....	.....	.....	.....	.....	88	4	96	31	[c]103	2	99	5	106	15	93	†1	[c]90	5	.....	.....	.....	.....
Beaufort	.....	.....	75	†24	81	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Blackville	77	27	85	28	86	11	87	3	99	31	106	1	101	5	103	14	94	5	90	†7	86	16	78	†14
Bowman	79	28	84	28	87	1	87	3	100	31	104	2	99	†5	104	14	95	5	89	6	80	†1	75	9
Centenary	75	28	82	28	88	14	90	3	94	31	99	†1	99	6	99	14	92	17	89	6	[a]84	18	79	14
Charleston	73	27	78	20	82	6	83	21	88	31	97	15	100	7	99	14	92	18	86	6	77	16	74	14
Cheraw	65	27	[a]75	15	[m]87	14	88	4	98	31	101	2	100	6	101	†6	95	6	92	7	.....	.....	76	9
Conway	76	28	83	28	88	14	89	3	95	†30	99	1	99	†6	98	†7	90	†17	87	6	80	17	78	14
Darlington	70	27	81	15	89	14	90	3	100	31	.....	.....	.....	.....	106	14	[a]93	5	[a]90	6	[a]80	17	77	10
Ferguson	77	28	83	28	86	†1	89	4	95	31	101	2	98	†6	[a]102	14	93	1	87	6	83	17	76	15
Florence 1	75	26	88	15	88	14	91	3	96	†30	102	2	99	5	100	14	97	†2	91	6	82	17	76	10
Garnett	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	95	†5	92	7	83	17	80	14
Georgetown	78	28	82	†15	86	†1	87	3	95	†30	97	1	102	7	104	15	94	20	90	6	82	23	[a]80	11
Kingstree	77	28	81	†15	86	†1	88	3	94	†11	100	2	100	6	101	14	92	†17	88	5	82	17	78	9
Oaks	73	27	83	28	[a]85	†1	[g]92	3	[a]92	31	[c]97	2	[b]98	†6	[a]98	†14	.....	.....	.....	.....	83	16	[b]82	14
Orangeburg	79	28	83	28	87	1	87	†3	97	31	102	†1	.....	.....	105	14	94	17	90	†6	84	†15	79	14
Paris Island	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	87	†5	79	†10	77	7
Pinopolis	74	29	76	15	80	12	.....	.....	.....	.....	92	2	94	7	94	†13	.....	.....	80	†3	78	16	70	†10
St. George	80	28	84	15	87	1	90	4	97	31	103	2	101	†5	104	14	[a]95	†5	91	6	81	17	80	14
St. Matthews	78	28	83	28	87	1	90	3	99	31	105	2	102	6	[h]102	14	95	1	.....	.....	[a]82	17	76	14
Society Hill	69	27	82	15	87	†1	[a]88	†2	99	31	[a]102	†2	102	†6	[b]101	†13	[c]93	†5	[i]91	6	78	17	79	†9
Summerville	77	28	83	28	85	†1	86	4	92	31	101	2	99	7	100	14	88	†5	83	6	78	16	78	†1
Walterboro	[f]81	28	84	15	88	1	91	4	[b]97	30	102	2	[a]102	7	102	14	96	18	[i]93	8	[h]86	17	75	†10
Yemassee	82	28	83	†15	87	1	88	†3	94	31	101	2	99	†6	101	14	92	18	90	7	83	17	76	10
Division extremes	82	28	88	15	89	14	92	3	100	31	106	1	102	†6	106	15	96	18	93	8	86	17	82	14
WESTERN PORTION.																								
Aiken	74	28	83	28	86	†1	86	4	96	31	101	2	100	†6	100	†14	92	†5	88	6	80	17	75	14
Anderson	70	27	78	28	86	1	86	3	96	31	98	1	97	†5	98	†14	91	4	89	†3	75	†4	72	10
Batesburg	70	†27	80	28	84	†2	84	3	94	31	96	†1	97	6	100	11	91	17	87	6	76	17	74	15
Calhoun Falls	71	27	80	28	85	14	86	4	99	31	102	†1	102	6	102	†10	95	4	85	†3	76	†8	73	11
Camden	[k]63	†11	[l]78	15	84	14	87	†17	[k]100	†31	102	3	99	7	103	†14	92	†5	.....	.....	80	†16	[a]75	†10
Clemson College	61	†27	73	†15	79	†1	80	2	89	†30	[a]93	†1	92	6	97	8	87	1	87	2	79	18	71	9
Columbia	71	27	81	28	85	1	84	3	95	31	101	2	98	6	100	14	91	17	89	6	79	17	76	14
Greenville	60	28	74	28	80	1	82	4	94	31	95	1	92	6	95	6	86	4	84	6	69	4	60	10
Greenwood	69	27	76	†10	83	14	83	4	94	31	98	2	98	6	98	9	90	1	85	6	74	17	70	†10
Heath Spring	67	†26	77	28	83	14	83	†3	95	31	100	1	99	6	98	14	90	5	85	7	[a]74	†8	[g]73	10
Kershaw	70	11	79	25	88	†3	.....	.....	97	31	101	†1	99	†5	103	14	92	†4	90	6	80	17	76	10
Landrum	62	29	78	†15	85	1	[a]87	24	97	31	98	1	94	5	99	6	89	4	89	6	74	8	73	8
Laurens	.....	.....	.....	.....	.....	.....	.....	.....	94	31	99	2	98	7	[a]95	†6	88	4	81	6	75	17	[a]75	10
Liberty	67	29	76	28	82	1	88	3	97	31	98	2	95	5	98	15	88	†2	88	3	71	†4	73	8
Little Mountain	70	27	80	15	84	1	86	4	95	31	102	2	103	6	101	†9	91	5	[a]88	6	75	10	75	10
Meriwether	.....	.....	[n]83	28	.....	.....	.....	.....	[a]100	31	[a]104	2	100	6	[a]102	†15	[i]95	†4	[i]90	6	[b]78	†9	[c]76	14
Monetta	71	†27	81	28	85	†1	84	†3	96	30	100	2	99	6	102	14	92	†5	89	6	77	17	73	10
Mountain Rest	64	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Newberry	70	27	80	28	86	14	88	3	99	31	102	1	102	6	102	11	93	5	96	6	77	17	74	10
Saluda	73	27	80	28	85	14	85	†3	96	31	100	†1	101	6	101	†9	95	5	91	6	76	16	75	14
Santuck	68	27	78	28	88	14	86	4	98	31	102	2	100	5	98	†6	93	5	89	6	76	17	74	10
Spartanburg	58	29	[a]79	28	85	1	87	4	100	31	101	1	97	5	100	†7	93	4	88	6	77	18	74	10
Trenton	.....	.....	.....	.....	[b]84	†14	84	4	[c]96	31	[i]97	15	[i]98	5	100	15	91	5	.....	.....	.....	.....	[i]73	15
Walhalla	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[k]101	15	90	1	89	6	75	4	75	22
White Oak	58	27	79	†15	84	14	[f]85	3	96	31	99	1	97	5	100	14	91	†4	89	6	77	17	74	10
Winthrop College	58	25	77	28	84	1	84	†2	99	26	100	1	99	5	101	6	91	5	88	6	77	9	75	10
Division extremes	74	28	83	28	88	†3	88	3	100	31	104	2	103	6	103	†14	95	5	91	6	80	†16	76	†10
Sections extreme	82	28	88	15	89	14	92	3	100	31	106	1	103	6	106	15	96	18	93	8	86	†16	82	14

Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing: For example, ^{b} represents two days missing, etc.
† On other dates also.

WEATHER BY MONTHS—*Continued.*

(CONTINUED FROM PAGE 100.)

the first ten days. The weather was ideal for cotton, and chopping was finished about the middle of the month; the first bloom was reported near Allendale on the 8th. Corn was in various stages of advancement, due to irregular rainfall, and other crops were similarly affected. Wheat, oat and rye harvests were practically finished by the 25th, and stubble lands were then turned to other crops.

July.—The month was the coolest July of record. While the total rainfall was near the seasonal average, the weather was unusually dry during the first half of the month. Cotton maintained good to excellent condition—in fact, the most promising since 1911. Other crops suffered materially until the refreshing rains of the last half. There was one death by lightning.

August.—A long period of sustained high temperatures, with two excessive heat waves, resulted in a monthly mean above the average. All crops made good progress until the middle of the month, followed by general deterioration, incident to drought and heat, especially when rains were most needed. Cotton opened prematurely, and the first bale was sold in Barnwell County on the 9th; however, late rains checked deterioration in the intermediate and late cotton crops. The tobacco season close about the 20th, with good results generally. Flood losses, estimated at $4,000; value of movable property saved by timely warnings, $36,000. There was one death by lightning.

Summer.—Mean temperature, 78.2°, or 0.5° below the normal. Precipitation averaged 12.91 inches, or 3.98 inches below the normal.

September.—The month was the coldest September since 1888, and the first autumnal frosts appeared in the northwestern counties two days earlier then any previous record. Precipitation averaged somewhat below normal. Deterioration of outstanding crops was materially checked by the rains of the

Monthly Minimum Temperatures for the Year 1918, with Dates.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.
EASTERN PORTION.																								
Allendale	......	......	......	......	......	......	39	†12	41	3	ᶠ62	20	59	†4	60	†22	......	......	ᵇ47	9	......	......	ᵍ31	27
Beaufort	14	1	36	†2	42	11	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Blackville	10	† 1	19	5	37	12	38	12	43	†2	58	23	57	13	ᵉ62	31	44	†22	......	......	......	......	26	29
Bowman	6	1	20	†5	30	31	37	13	40	3	53	24	55	†4	55	22	44	22	38	11	26	14	24	29
Centenary	5	1	22	5	31	31	34	6	44	3	54	24	56	14	57	22	44	24	40	16	ᵃ31	†14	24	29
Charleston	18	13	27	5	41	11	43	12	50	2	68	19	64	13	67	21	54	21	56	23	42	13	29	29
Cheraw	5	4	20	5	ⁿ39	30	33	6	39	2	51	†23	52	13	55	†21	40	†23	ᶜ33	†16	......	......	28	29
Conway	6	1	ᵃ24	5	33	11	36	6	46	2	54	24	57	4	58	21	46	†22	41	24	30	14	26	29
Darlington	6	1	21	†5	31	11	32	6	42	2	......	......	......	......	56	20	ᵃ43	24	39	16	ᵃ32	† 3	25	†29
Ferguson	13	4	26	5	32	31	39	† 1	42	3	53	24	57	5	56	22	43	23	39	11	30	14	25	30
Florence 1	9	13	23	5	31	11	35	6	43	2	56	24	57	13	57	21	45	†19	43	†8	34	25	26	29
Garnett	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	48	23	47	10	28	14	29	29
Georgetown	13	1	27	5	35	†11	40	†10	45	3	60	†10	59	†13	60	21	48	†22	45	11	31	15	ᵃ27	29
Kingstree	9	1	23	5	34	11	39	6	44	†3	52	24	56	14	57	22	44	24	41	10	31	14	27	29
Oaks	7	1	24	5	ᵃ32	31	ᵇ40	12	ᶜ44	3	ᵇ54	24	57	†4	ᵇ59	22	......	......	......	......	ᵈ31	15	28	29
Orangeburg	10	† 1	22	†5	32	†11	39	† 6	42	3	55	24	54	14	56	22	42	23	......	......	29	14	24	29
Paris Island	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	52	9	42	25	30	28
Pinopolis	16	1	28	5	39	31	......	......	......	......	59	24	58	12	60	†21	......	......	48	10	38	† 3	24	29
St. George	16	1	26	5	39	†11	43	† 6	47	3	57	24	60	†4	62	†21	ᵃ48	22	43	10	31	14	30	† 9
St. Matthews	5	1	20	5	34	31	37	12	42	2	58	24	56	13	ᵃ55	23	40	24	......	......	32	14	24	29
Society Hill	8	1	20	5	31	11	ᵃ33	6	41	2	52	24	55	13	ᵇ56	20	ᶜ42	23	ᵇ36	16	30	15	23	29
Summerville	10	1	22	5	36	30	39	10	44	3	58	24	59	†4	61	21	48	23	46	10	33	14	27	29
Walterboro	ᵇ10	1	21	5	35	11	38	13	ᶜ42	3	57	26	ᵃ54	9	59	22	47	25	ˡ38	31	ᵇ29	14	27	29
Yemassee	ᵃ11	1	21	5	36	12	38	12	43	†3	56	24	56	4	58	23	45	23	45	10	29	14	26	29
Division extremes	5	1	19	5	30	31	32	6	39	2	51	†23	52	13	55	†21	40	†23	33	†16	26	14	23	29
WESTERN PORTION.																								
Aiken	9	13	21	5	35	11	35	12	43	2	63	24	59	13	ᶜ59	21	47	21	49	9	36	†13	24	29
Anderson	3	† 1	11	5	32	11	33	10	40	2	56	23	55	13	57	†21	41	21	44	23	30	25	20	29
Batesburg	9	13	22	5	33	11	35	12	42	2	59	24	57	13	57	21	44	21	45	15	34	†13	25	29
Calhoun Falls	5	† 1	20	†5	34	†11	35	†10	41	3	......	......	58	13	54	22	41	21	41	†10	31	†13	22	29
Camden	ᵏ10	1	ˡ21	6	35	25	35	13	ᵉ41	2	......	......	......	......	......	......	......	......	......	......	......	......	ᵃ26	29
Clemson College	ᵃ 0	1	20	5	32	11	35	11	38	2	ᵇ54	23	55	13	60	19	38	21	ᵇ42	15	29	24	20	29
Columbia	6	1	25	5	35	11	37	12	45	2	62	24	60	13	61	21	48	22	46	10	33	25	26	29
Greenville	4	13	17	5	32	11	36	12	40	2	58	23	60	13	58	22	44	22	45	16	33	13	23	29
Greenwood	4	1	20	5	30	11	34	11	39	2	57	24	56	13	56	†21	42	†20	ᶠ43	23	32	†13	23	29
Heath Spring	7	13	20	5	29	11	35	14	40	2	50	20	ʲ58	13	ᵉ66	† 4	41	†22	......	......	ⁱ33	24	ⁱ23	29
Kershaw	6	1	19	5	30	11	33	6	41	2	51	24	53	13	54	21	42	22	40	†16	30	25	23	29
Landrum	−2	1	16	6	33	†12	ᵉ33	14	31	2	50	24	52	3	52	21	37	†21	38	16	29	13	22	27
Laurens	......	......	......	......	......	......	......	......	ᵍ35	2	ᵉ53	23	......	......	ᵃ54	22	40	21	38	15	29	†13	ᵃ19	29
Liberty	0	1	16	5	32	11	35	13	41	2	52	23	55	13	54	22	40	21	44	†9	31	13	21	†27
Little Mountain	9	† 1	21	5	32	11	ᵃ37	12	43	2	59	23	59	14	57	21	43	23	ᵃ45	†9	32	†13	24	29
Meriwether	ᵃ 8	1	ᵉ21	5	......	......	......	......	ᶜ42	2	ᵇ56	25	......	......	ᵃ54	21	ᵖ40	23	ᶜ42	9	ᵉ30	†14	ᶜ24	†27
Monetta	8	† 1	22	5	32	11	33	12	45	†2	61	†23	60	13	59	21	45	†21	46	10	32	25	25	29
Mountain Rest	−1	1	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Newberry	−2	1	21	4	30	11	36	8	38	2	57	24	55	13	56	22	43	23	42	16	30	25	23	29
Saluda	4	1	20	5	30	11	32	12	37	2	53	24	51	13	52	22	36	23	38	16	27	12	23	29
Santuck	2	1	20	5	29	11	ᵃ32	6	39	2	56	23	50	8	55	21	40	22	40	16	30	25	21	29
Spartanburg	3	1	20	†5	30	11	34	6	37	2	54	23	51	2	54	20	40	†20	39	†15	31	13	22	29
Trenton	......	......	......	......	ˡ32	†10	37	10	ᶜ43	2	......	......	......	......	58	21	44	23	......	......	......	......	ˡ24	29
Walhalla	......	......	......	......	......	......	......	......	......	......	......	......	......	......	ᵉ54	22	37	21	40	16	29	25	17	29
White Oak	4	1	21	5	32	11	ᵃ35	6	41	2	58	23	58	13	56	21	43	†21	42	23	33	25	21	29
Winthrop College	7	13	19	5	30	11	33	6	39	2	54	23	54	13	55	21	42	†21	41	†16	30	25	21	29
Division extremes	−2	1	11	5	29	11	32	† 6	31	2	50	†20	50	8	52	†21	36	23	38	†15	27	12	17	29
Section extremes	−2	1	11	5	29	11	32	† 6	31	2	50	†20	50	8	52	†21	36	23	33	†16	26	14	17	29

Reference letters (ᵃ, ᵇ, ᶜ), appearing in the table indicate number of days missing: For example, ᵇ represents two days missing, etc.
† On other dates also.

first week, but the showers came too late for early cotton. The last week was favorable for housing crops, plowing, and molasses making.

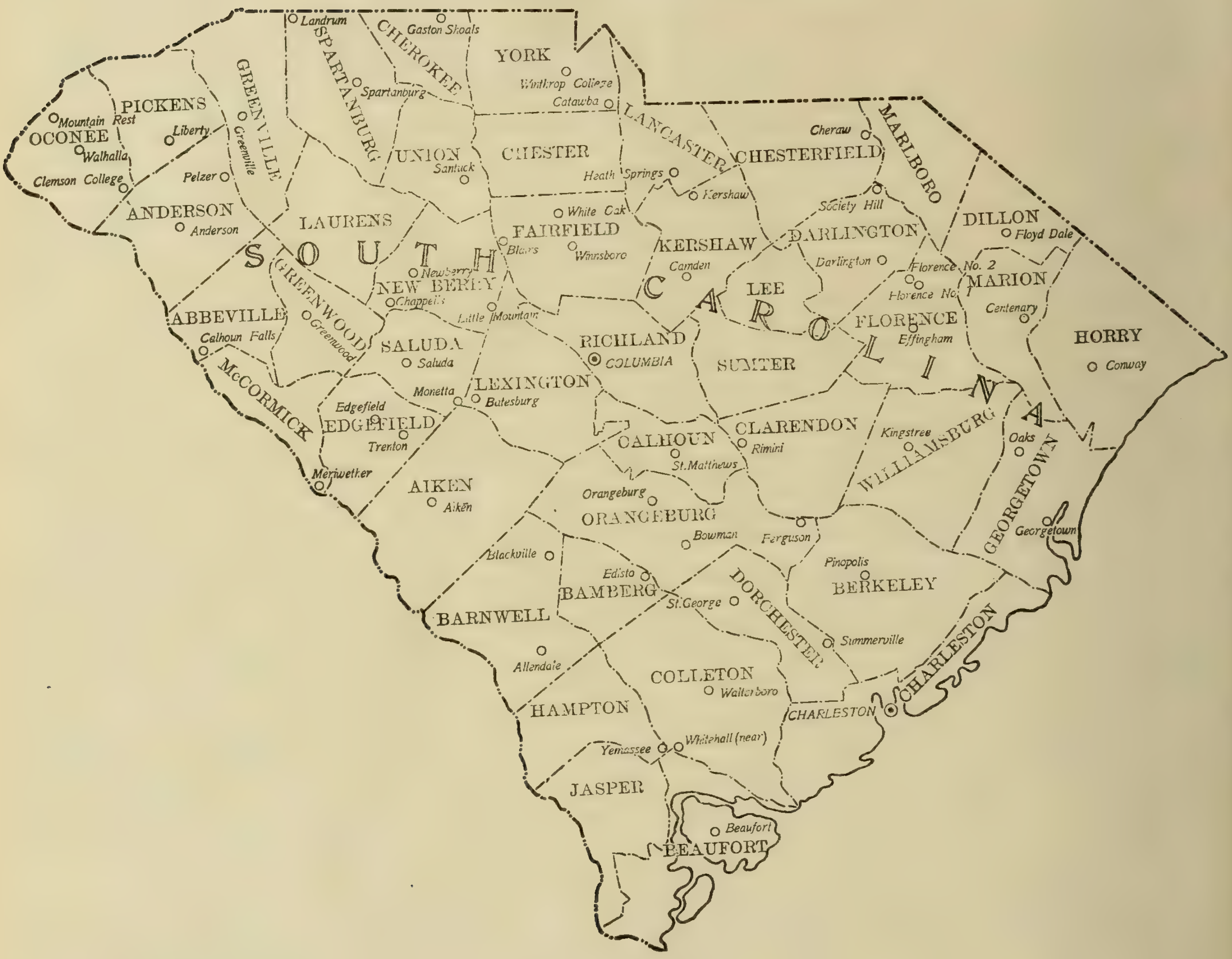
October.—The weather was unusually mild, with little or no frost. Although the precipitation was near normal, as a whole, the first three weeks were practically rainless and too dry for late crops, except intermediate and late cotton, which gave promise of an increased top crop, due to an unusually late season. Germination of winter grains was unsatisfactory until the last week.

November.—Thermal conditions were somewhat below the seasonal average. The bulk of the month's precipitation did not occur until after the 22d. Heavy to killing frosts were quite general about the 13th and 14th and again about the 26th, but the woods were only about half bare on the coastal plain and in the central counties at the close of the month. All vegetation was safe from frost damage, and the top cotton crop was materially increased by the unusually late season. Flood losses, incident to the late October rains, approximated $387,400; value of movable property saved by timely warnings, $83,300. A small tornado in Hampton County on the 17th caused the death of one person, injured eight others and destroyed property valued at $15,000.

Autumn.—Mean temperature, 63.1° or 0.3° below normal. Precipitation averaged 10.75 inches, or 1.34 inches above the normal.

December.—The weather was mild until Christmas, and the precipitation was considerably above normal. All winter crops were in good to excellent condition. The killing frost line reached the extreme southern coast by the 29th. Flood losses, estimated at $15,150; value of movable property saved by timely warning, estimated at $93,250.

MAP SHOWING LOCATION OF OBSERVATION STATIONS.

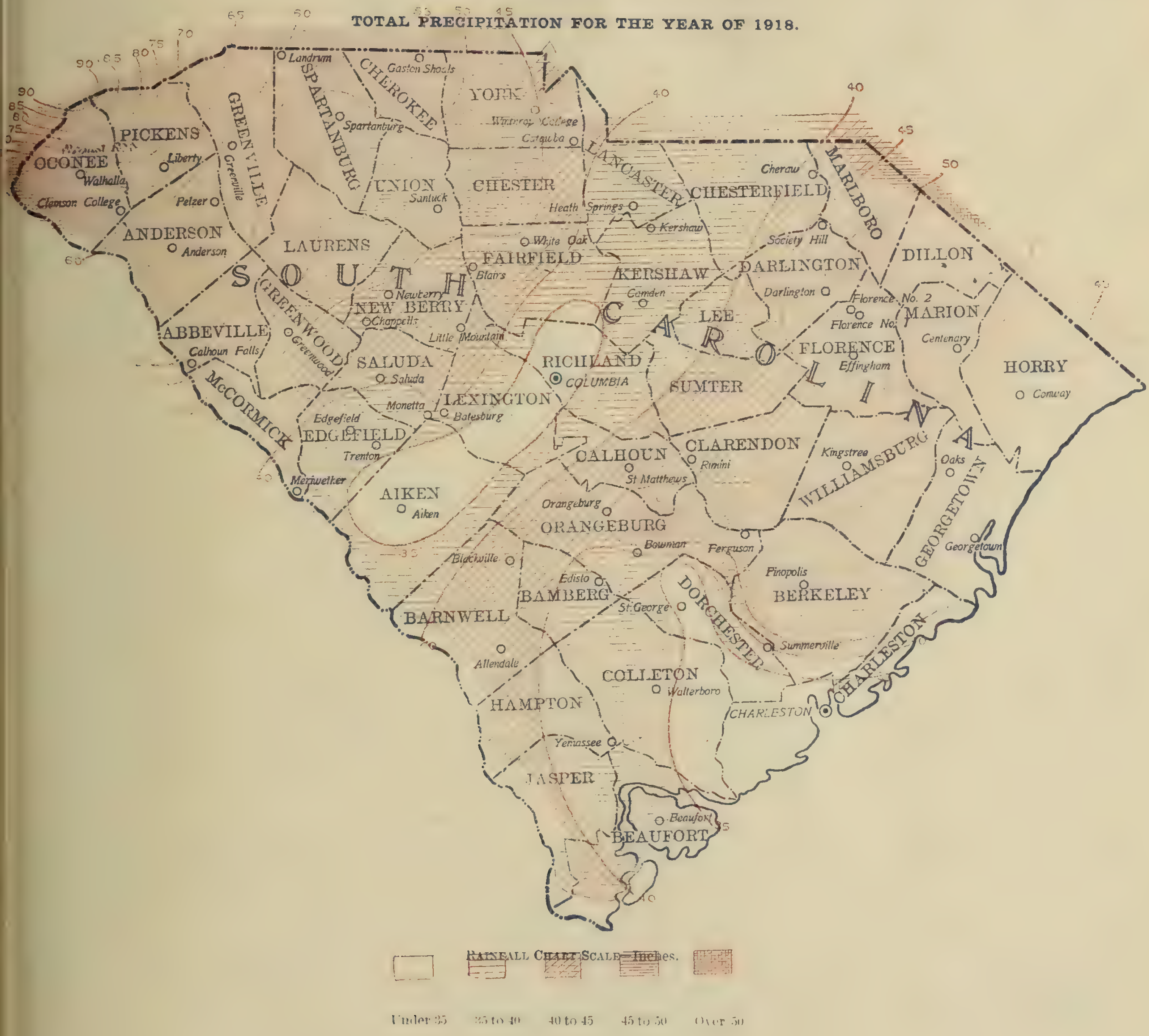


KEY TO SYMBOLS.

⊙ Meteorological observations. (Regular Weather Bureau stations.)

○ Meteorological observations. (Sub stations.)

TOTAL PRECIPITATION FOR THE YEAR OF 1918.



COOPERATIVE STATIONS AND OBSERVERS.

Station.	Observer.	Station.	Observer.	Station.	Observer.
Aiken	Frank B. McCoy.	Florence 2	Pee Dee Experiment Sta.	Orangeburg ‖.	U. S. Fisheries Station.
Allendale ‖	R. B. Vance.	Garnett	Maner B. Robert.	Paris Island	U. S. Marine Corps.
Anderson	H. H. Russell.	Georgetown	A. P. Hazard.	Pinopolis	Miss E. P. Ravenel.
Batesburg ‖	E. J. Hite.	Greenville	U. S. Weather Bureau.	St. George ‖	Miss Una T. Whiteside.
Blackville ‖	Mrs. D. B. Sanders.	Greenwood ‖	M. M. Calhoun.	St. Matthews ‖	J. S. Wannamaker.
Bowman	B. O. Evans.	Heath Spring	J. Marvin Bowers.	Saluda	Mrs. F. V. J. Maxwell.
Calhoun Falls	L. M. Parker.	Kershaw ‖	John W. Hamel.	Santuck	E. W. Jeter.
Camden	W. C. Brown.	Kingstree ‖	W. H. Matthews.	Society Hill	A. H. Rogers.
Centenary	D. L. Carmichael.	Landrum	R. Hartwell Wilds, D.D.S.	Spartanburg ‖	F. P. Robinson.
Charleston ‖	U. S. Weather Bureau.	Laurens	Perry A. Simpson.	Summerville	Miss E. H. Gadsden.
Cheraw ‖	Roland D. Powe.	Liberty	J. T. Boggs.	Trenton	Mrs. S. E. Long.
Clemson College	Prof. F. H. H. Calhoun.	Little Mountain	J. M. Sease, M. D.	Walterboro	J. N. Frank.
Columbia	U. S. Weather Bureau.	Meriwether	Mrs. Marie R. Middleton.	Walhalla	H. W. Brandt.
Conway ‖	P. C. Quattlebaum.	Monetta	Joe M. Johnson.	White Oak	T. G. Patrick & Co.
Darlington	D. C. McCall.	Newberry	W. G. Peterson.	Winthrop College	W. P. Goodman.
Ferguson	Henry C. Savage.	Oaks	O. M. Mitchell.	Yemassee ‖	W. C. Hutson.
Florence 1 ‖	H. K. Gilbert.				

‖ Also Cotton Region station in season.

RIVER AND RAINFALL STATIONS AND OBSERVERS.

Station.	Watershed.	Observer.	Station.	Watershed.	Observer.
Anderson†	Savannah	H. H. Russell.	Edgefield†	Savannah	J. A. Townsend.
Blairs	Broad	J. N. Owens.	Edisto	Edisto	Nathan Jenkins.
Calhoun Falls	Savannah	L. M. Parker.	Effingham	Lynches	H. B. McCall.
Camden	Wateree	W. C. Brown.	Ferguson	Santee	Henry C. Savage.
Catawba	Catawba	J. C. Faris.	Gaston Shoals†	Broad	S. C. Lt., Power and Ry. Co.
Chappells	Saluda	J. J. Murrah.	Kingstree	Black	W. H. Matthews.
Cheraw	Pee Dee	J. H. Powe.	Pelzer	Saluda	J. Y. Jones.
Columbia	Congaree	Lemuel Hall.	Rimini	Santee	W. B. Wolfe.
Conway	Waccamaw	P. C. Quattlebaum.	Spartanburg †	Broad	F. P. Robinson.

† Special rainfall reports only.

FORECAST DISTRIBUTION.

Station.	County.	Distributer.	Station.	County.	Distributer.
Abbeville—2	Abbeville	Abbeville Telephone Co.	Fort Mill-1	York	Fort Mill Telephone Co.
Aiken 2	Aiken	So. Bell Telep. & Teleg. Co.	Georgetown—1 †	Georgetown	A. P. Hazzard.
Augusta, Ga.—* (43)	Richmond	U. S. Weather Bureau.	Gray Court 1	Laurens	Gray Court Telephone Co.
Bennettsville -6	Marlboro	So. Bell Telep. & Teleg. Co.	Greenville -14 (74)	Greenville	So. Bell Telep. & Teleg. Co.
Blackville 6	Barnwell	So. Bell Telep. & Teleg. Co.	Greenwood—2* (31) †	Greenwood	M. M. Calhoun.
Burton —2	Beaufort	Bacon & Co.	Johnston -3	Edgefield	So. Bell Telep. & Teleg. Co.
Camden 2	Kershaw	So. Bell Telep. & Teleg. Co.	Kershaw -1	Lancaster	Kershaw Telephone Co.
Charleston —6* (235)	Charleston	U. S. Weather Bureau.	Lancaster	Lancaster	Lancaster Telephone Co.
Charlotte, N. C. -5* (8)	Mecklenburg	U. S. Weather Bureau.	Laurens 1	Laurens	Laurens Telephone Co.
Chester -1	Chester	Chester Telephone Co.	Marion—6	Marion	Postmaster.
Clinton—6	Laurens	So. Bell Telep. & Teleg. Co.	Newberry -3	Newberry	So. Bell Telep. & Teleg. Co.
Clover—1	York	Piedmont Telephone Co.	Orangeburg—2	Orangeburg	So. Bell Telep. & Teleg. Co.
Columbia —15* (216) †	Richland	U. S. Weather Bureau.	Orangeburg †	Orangeburg	State A. & M. College.
Conway -1	Conway	Conway Telephone Co.	Spartanburg 5* (41) †	Spartanburg	Postmaster.
Cross Hill- 1	Laurens	Cross Hill Telephone Co.	Savannah, Ga.—* (22)	Chatham	U. S. Weather Bureau.
Darlington—4	Darlington	So. Bell Telep. & Teleg. Co.	Trenton 1	Edgefield	Trenton Telephone Co.
Due West -1	Abbeville	Due West Telephone Co.	Wilmington, N. C.—* (11)	New Hanover	U. S. Weather Bureau.
Edgmoor -1	Chester	Edgmoor Telephone Co.	Woodruff—1	Spartanburg	Home Telephone Co.
Florence—3	Florence	So. Bell Telep. & Teleg. Co.	Yorkville -1	York	Piedmont Telephone Co.
Fort Lawn -1	Chester	Fort Lawn Telephone Co.			

* Cards by mail within the State, number daily in parentheses

† Flag display.

NOTE.—Figures following names of stations indicate number of local or subsidiary exchanges through which daily forecasts of the Weather Bureau are available free of cost to patrons, by cooperation with the Southern Bell Telephone & Telegraph Company, representing about 35,000 subscribers. This information can be obtained by simply calling "Information" about 11 o'clock each morning, except Sundays and holidays.

ERRATA.

ANNUAL, 1917.—Least annual precipitation, page 99, text, should be 30.97 at Columbia; total precipitation, Columbia, page 101, should be 30.97; annual temperature departures, page 103, Charleston should be −1.1°, Columbia should be −1.2°, Spartanburg suould be −1.8°.

JANUARY.—Greatest local monthly amount of precipitation, page 3, text, should be 10.40 at Liberty.

FEBRUARY.—Maximum temperature date, Darlington, page 12, should be 15.

MAY.—Greatest local monthly amount of precipitation, page 35, text, should be 8.28 at Florence No. 2.

AUGUST.—Mean temperature, Columbia, page 60, should be 80.8°.

OCTOBER.—Mean temperature, Florence No. 1, page 76, should be 68.6°; minimum temperature, Landrum, page 76, should be 38°; maximum temperature date, Pinopolis, page 76, should be +3.0°.

NOVEMBER.—Section mean relative humidity at 8 p. m., page 83, text and table, should be 68%; minimum temperature date, Liberty, page 84, should be 13.

51.05
NSC

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

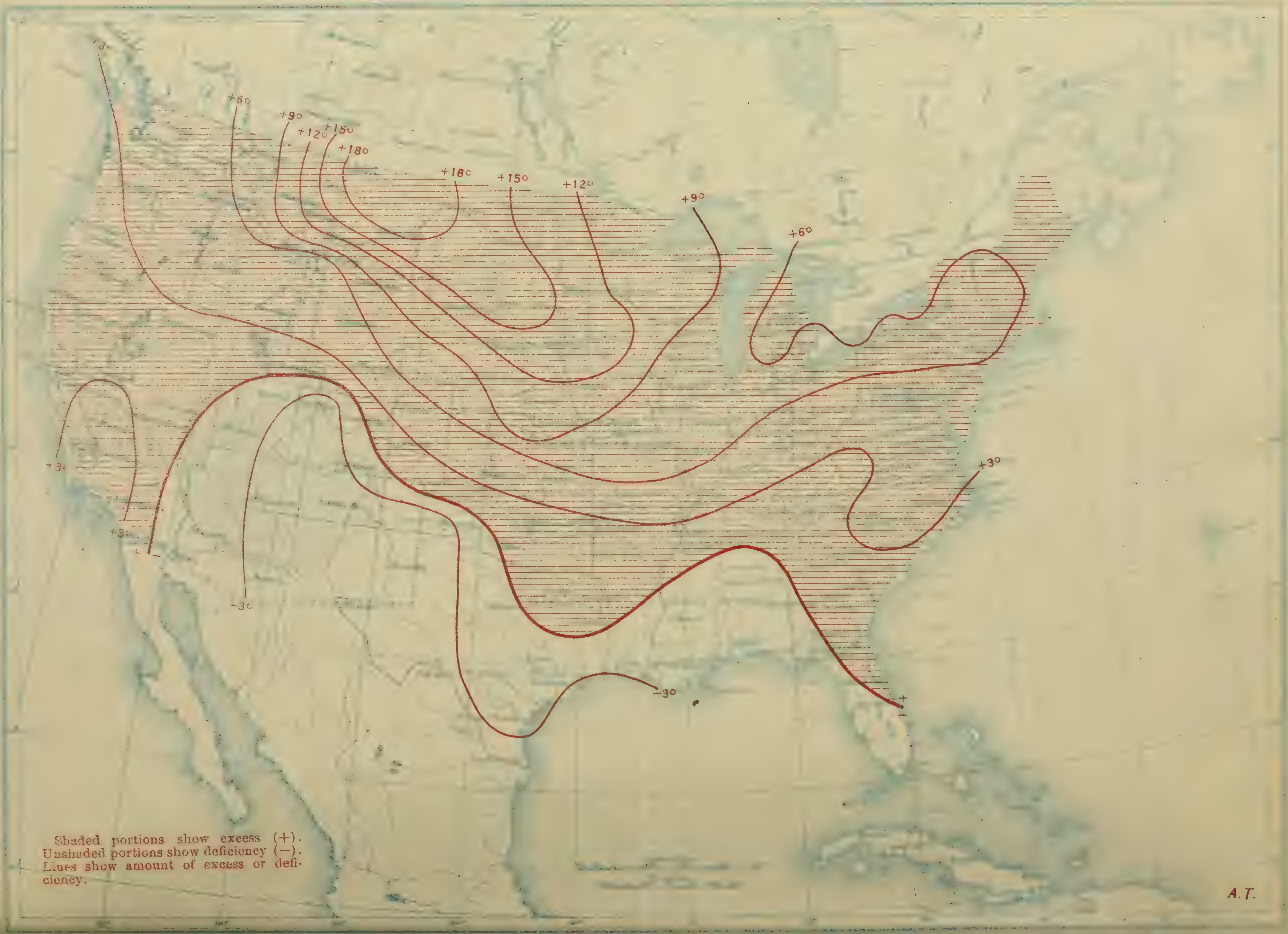
SOUTH CAROLINA SECTION

JANUARY, 1919.

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
March 4, 1919

Departure of the Mean Temperature from the Normal, January, 1919.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.
RICHARD H. SULLIVAN. Meteorologist.

Vol. XXII. Columbia, S. C., January, 1919 No. 1.

GENERAL SUMMARY.

Mild weather prevailed during January after the cold period between the third and eighth, and the mean temperature averaged somewhat above normal. Precipitation was also above the normal.

Winter wheat and oats were set back to some extent by the cold wave of the third to seventh, but these crops revived to good condition under succeeding high temperatures. A reduced crop of cabbage in the trucking districts was in fair to good condition at the close of the month. Outdoor work was confined principally to plowing for spring crops, which had made good progress on the coastal plain, but was retarded by wet soil in the central and northern counties. Considerable unpicked cotton remains in the fields. Fruit buds were beginning to swell about the close of the month.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 30.13 inches. The highest pressure in the region covered by reports was 30.60 inches at Charlotte, N. C., on the 12th, and in the Section proper, 30.57 inches at Greenville on the same date; the lowest pressure was 29.57 inches at Charlotte, N. C., on the 18th, and in the Section proper, 29.63 inches at Greenville on the same date.

TEMPERATURE

The monthly mean for the Section, determined from reports of 43 stations, was 47.1°, or 1.6° above the established normal, and 9.7° above the mean of the cold January of last year. The highest temperature was 80° at Oaks, Georgetown County, on the 2d. The warmest period was generally on the 1st and 2d, but comparatively mild weather prevailed after the cold period, 3d to 8th. The lowest temperature was 8° above zero at Landrum, Spartanburg County, on the 4th.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 79%; 8 p. m., 64%. The highest percentages occurred over the southern counties, and the lowest, over the northern interior.

PRECIPITATION.

The average for the Section, 56 stations reporting, was 4.15 inches, or 0.71 inch above the established normal. Precipitation was fairly distributed as to time during 4 periods, but was superabundant over the northwestern counties, where the amounts ranged from 4 to over 8 inches, while on the coastal plain the measurements ranged downward from 3 inches to less than 1 inch in Beaufort County. The greatest local monthly amount was 8.50 inches at Liberty, Pickens County, and the least local monthly amount was 0.30 inch at Paris Island, Beaufort County. The greatest amount during any 24 hours was 3.10 inches at Liberty, Pickens County, on the 2d. The average number of rainy days was 12% below normal.

Snow flurries occurred in Oconee, Pickens, Greenville, and Spartanburg Counties between the 5th and 7th, and measurable snowfall occurred only in the vicinity of Landrum, Spartanburg County, and Walhalla, Oconee County.

WIND.

The prevailing wind was from the northeast. The average hourly velocity, determined from 8 anemometer records, was 7.6 miles. The highest average velocity was 12.7 miles per hour at Savannah, Ga., and in the Section proper, 9.5 miles per hour at Charleston; the lowest average was 5.1 miles per hour at Augusta, Ga., and Charlotte, N. C., and in the Section proper, 6.3 miles per hour at Columbia. The highest velocity for any 5-minute period was 39 miles per hour from the northwest at Savannah, Ga., on the 4th, and in the Section proper, 38 miles per hour from the northwest at Greenville on the 29th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 199.0 hours, or 63% of the possible amount. The average number of clear days was 19; partly cloudy, 5, and cloudy, 7, as against normals of 13, 7, and 11 days, respectively.

RIVER CONDITIONS.

Freshet conditions prevailed in the Savannah, Santee, and Pee Dee River Districts after the rains at the opening of the month and again after the rains of the 24-26th. The Santee River was in flood throughout the month. Unavoidable losses incident to floods in the Santee Basin approximated $19,731, and the value of movable property saved by timely warnings has been conservatively estimated at $65,800. In the Pee Dee Basin the losses approximated $20,900, and the value of movable property saved by flood warnings was estimated at $35,000.

MISCELLANEOUS PHENOMENA. (dates).

Fog, dense.—Blairs, 14; Darlington, 22; Edisto, 22; Gaston Shoals, 1; Landrum, 1, 14; Monetta, 17; Walhalla, 1.

Halos.—Lunar: Walhalla, 14, 16, 22. *Solar:* Columbia, 7, 22, 24, 27, 28; Greenville, 24, 27, 30; Walhalla, 25.

MISCELLANEOUS DATA FOR JANUARY, 1919.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.18	37.6	64	0	4.70	1.81	8.7	nw.	82	61	63
Augusta, Ga.......	30.14	47.6	73	16	4.64	1.69	5.1	nw.	87	68	66
Charleston, S. C...	30.12	51.1	70	22	1.68	0.65	9.5	n.	75	71	66
Charlotte, N. C ...	30.13	45.0	70	15	5.45	1.74	5.1	n.	83	60	64
Columbia, S. C....	30.14	47.6	75	18	2.81	1.59	6.3	ne.	76	60	61
Greenville, S. C...	30.11	45.2	68	12	6.53	1.79	6.9	ne.	72	59	64
Savannah, Ga.....	30.12	51.9	74	20	1.96	0.79	12.7	ne.	78	65	55
Wilmington, N. C.	30.13	49.2	75	20	3.23	1.48	6.4	n.	78	66	65
Means and extremes......	30.13	46.9	75	0	4.00	1.81	7.6	n. ne.	79	64	63

Climatological Data for January, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	30	......	......	^{j}71	†22	......	......	......	......	......	......	......	......	......	......	......	......	R. B. Vance.
Blackville	Barnwell	296	30	47.8	+0.7	77	1	12	6	41	3.45	+0.51	1.00	0	7	20	4	7	......	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	18	46.1	+1.9	77	1	15	6	45	3.39	+0.27	1.85	0	5	19	6	6	w.	B. O. Evans.
Centenary	Marion	43	4	......	......	......	......	......	......	......	2.43	......	0.72	0	7	18	7	6	sw.	D. L. Carmichael.
Charleston	Charleston	48	48	51.1	+1.8	70	23	22	4	34	1.68	−1.77	0.65	0	8	14	6	11	n.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	29	47.2	+3.8	68	†20	19	5	31	3.72	+0.90	1.51	0	4	......	......	......	......	Roland D. Powe.
Conway	Horry	25	33	47.8	−0.3	76	2	19	6	35	2.24	−1.17	0.75	0	8	18	0	13	ne.	Paul Quattlebaum.
Darlington	Darlington	175	24	47.2	+1.6	75	† 1	16	6	38	3.27	+0.77	1.25	0	6	20	1	10	......	D. C. McCall.
Edisto ‡‡	Bamberg	143	31	......	......	......	......	......	......	......	2.89	−0.18	1 24	0	6	......	......	......	......	Nathan Jenkins
Effingham	Florence	106	26	......	......	......	......	......	......	......	3.22	−0.18	0.97	0	5	......	......	......	......	Wm. B. Gillespie,
Ferguson	Orangeburg	63	33	46.0	−1.3	72	1	17	5	44	2.65	−0.69	1.12	0	7	15	8	8	nw.	Henry C. Savage.
Florence 1	Florence	136	30	49.6	+4.6	78	18	19	6	45	3.14	+0.40	1.61	0	4	20	3	8	sw.	H. K. Gilbert.
Florence 2	do	136	4	......	......	......	......	......	......	......	2.20	−0.54	0.80	0	5	24	2	5	se.	Pee Dee Experiment Sta.
Garnett	Hampton	82	1	49.8	......	77	1	17	6	42	2.12	......	0.87	0	6	9	17	5	w.	Maner B. Robert.
Georgetown	Georgetown	12	24	49.5	+1.1	76	2	19	6	38	3.06	−0.29	0.75	0	7	21	7	3	n	A. P. Hazard.
Kingstree	Williamsburg	54	30	49.8	+2.3	73	†20	19	6	38	2.01	−0.96	0.75	0	5	21	3	7	e.	W. H. Matthews.
Oaks	Georgetown	......	4	^{a}49.9	......	^{a}80	2	^{a}20	7	^{a}45	2.19	......	0.70	0	10	20	6	5	w.	O. M. Mitchell.
Orangeburg	Orangeburg	264	3	^{d}48.3	......	^{d}71	†26	^{d}17	6	^{d}45	1.72	......	0.90	0	4	20	0	11	n.	U. S. Fisheries Station.
Paris Island	Beaufort	13	1	48.3	−2.1	71	21	22	4	48	0.30	−2.56	0.10	0	3	23	4	4	e.	U. S. Marine Corps.
Pinopolis **††	Berkeley	54	69	47.7	+0.4	67	23	24	7	......	2.11	−0.99	1.00	0	5	19	7	5	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	5	......	......	......	......	......	......	......	2.99	......	1.24	0	6	......	......	......	......	William B. Wolfe.
St. George	Dorchester	109	30	......	......	......	......	......	......	......	2.20	−0.47	0.60	0	5	23	3	5	ne.	Miss Una T. Whiteside.
St. Matthews	Calhoun	62	23	47.4	+1.4	75	1	17	6	33	3.10	+0.04	1.28	0	5	22	4	5	ne.	J. S. Wannamaker.
Society Hill	Darlington	192	27	46.8	+2.9	74	1	16	6	35	3.70	+0.79	1.40	0	7	18	6	7	ne.	A. H. Rogers.
Summerville	Dorchester	75	21	50.5	+1.5	74	1	18	6	52	1.96	−1.14	0.55	0	7	8	20	3	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	16	49.6	−1.5	78	1	16	6	47	2.47	−0.45	0.75	0	6	24	1	6	....	J. N. Frank.
Yemassee	Hampton	24	23	49.4	+1.5	78	1	16	6	41	2.13	−0.66	0.76	0	4	20	2	9	nw	W. C. Hutson.
Division means and	extremes	......	....	48.5	+1.2	80	2	12	6	52	2.55	−0.43	1.85	0	6	18	7	6	ne.	
Western Portion.																				
Aiken	Aiken	527	58	4.88	+2.9	72	1	15	4	40	3.66	+0.06	1.51	0	6	23	0	8	nw.	Frank B. McCoy.
Anderson	Anderson	764	23	44.6	−0.1	69	18	10	4	44	6.44	+2.69	1.75	0	8	21	0	10	w.	H. H. Russell.
Batesburg	Lexington	656	30	47.6	+2.2	73	1	17	† 5	38	4.62	+1.37	1.64	0	7	17	7	7	nw.	E. J. Hite.
Blairs	Fairfield	293	16	......	......	......	......	......	......	......	5.10	+1.99	1.66	0	7	......	......	......	......	J. N. Owens.
Calhoun Falls	Abbeville	508	26	......	......	^{g}70	28	^{g}12	† 4	^{g}42	5.85	+2.50	2.00	0	9	......	......	......	......	L. M. Parker.
Camden	Kershaw	222	59	^{a}48.6	+2.4	^{a}76	1	^{a}21	6	^{a}50	4.86	+1.47	1.55	0	6	21	4	6	ne.	W. C. Brown.
Catawba	York	562	15	......	......	......	......	......	......	......	5.62	+2.42	1.55	0	7	......	......	......	......	James C. Faris.
Chappells	Newberry	402	15	......	......	......	......	......	......	......	4.91	+2.06	1.70	0	7	......	......	......	......	J. J. Murran.
Clemson College	Oconee	850	27	42.4	+0.1	63	† 2	10	6	44	6.61	+2.06	1.96	T.	4	25	1	5	e.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	32	47.6	+2.5	75	1	18	6	32	3.81	+0.52	1.59	0	8	15	7	9	ne.	U. S. Weather Bureau.
Edgefield	Edgefield	......	5	......	......	......	......	......	......	......	4.88	......	1.75	0	6	......	......	......	......	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	6	......	......	......	......	......	......	......	6.97	+3.13	1.40	0	8	......	......	......		S. C. Lt., Power & Ry. Co.
Greenville	Greenville	1039	26	45.2	+4.5	68	31	12	4	39	6.53	+2.28	1.79	T.	8	16	6	9	ne.	U. S. Weather Bureau.
Greenwood	Greenwood	671	30	45.6	+2.8	70	1	14	† 4	39	5.65	+2.06	1.76	0	6	20	0	11	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	18	47.2	+4.1	72	1	15	† 5	45	4.70	+1.45	1.35	0	4	23	2	6	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	3	46.4	......	74	1	13	6	37	4.47	......	1.47	0	8	24	0	7	ne.	John W. Hamel.
Landrum	Spartanburg	1063	4	43.8	......	68	19	8	4	43	7.99	......	1.75	0.6	9	22	2	7	......	R. Hartwell Wilds, D.D.S.
Laurens	Laurens	589	1	^{a}4.22	......	^{a}70	1	^{a}13	6	^{a}41	4.45	......	1.97	0	3	19	12	0	......	Perry A. Simpson.
Liberty	Pickens	900	20	44.7	+1.9	66	15	11	6	42	8.50	+4.23	3.10	T.	5	18	8	5	se.	John T. Boggs.
Little Mountain	Newberry	711	26	^{a}48.5	+3.2	^{a}72	1	^{a}16	6	^{a}37	4.42	+1.36	1.56	0	6	23	1	7	n.	J. M. Sease, M. D.
Meriwether	McCormick	450	16	......	......	^{p}74	1	^{p}12	4	......	......	......	......	......	......	......	......	......	......	Mrs. Marie R. Middleton.
Monetta	Saluda	400	12	48.0	+0.1	74	1	16	4	38	4.42	+1.18	1.21	0	7	12	12	7	ne.	Joseph M. Johnson.
Newberry	Newberry	502	16	46.2	+1.4	74	1	15	6	38	5.39	+1.94	1.42	0	8	20	3	8	w.	Warren G. Peterson.
Pelzer	Anderson	850	15	......	......	......	......	......	......	......	7.02	+3.28	2.04	0	8	......	......	......	......	Joshua Y. Jones.
Saluda	Saluda	536	18	45.2	−0.2	74	1	15	4	42	5.04	+1.71	1.50	0	7	18	6	7	n.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	26	44.8	+1.8	71	1	14	6	37	5.39	+1.93	1.42	0	9	17	8	6	nw.	E. W. Jeter.
Spartanburg	Spartanburg	875	36	^{a}45.0	+3.5	^{a}68	19	^{a}12	5	^{a}56	6.93	+3.73	1.70	T.	8	16	3	12	......	F. P. Robinson.
Trenton	Edgefield	620	30	^{b}46.8	+0.4	^{b}69	†19	^{b}14	4	^{b}32	4.41	+1.25	1.59	0	5	16	10	5	sw.	Mrs. S. E. Long.
Walhalla	Oconee	1061	16	43.5	+1.5	67	18	11	† 4	44	6.95	+2.76	1.75	0.3	9	18	7	6	se.	H. W. Brandt.
White Oak	Fairfield	548	3	^{a}46.2	+2.6	^{a}70	22	^{a}14	6	^{a}36	4.85	+1.57	1.15	0	8	22	4	5	n.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	19	45.8	+2.3	71	1	11	5	37	6.20	+3.18	1.40	0	7	11	11	9	s.	W. P. Goodman.
Division means and	extremes	......	....	45.8	+1.7	76	1	8	4	56	5.55	+2.08	3.10	T.	7	19	5	7	ne.	
Section means and	extremes	......	....	47.1	+1.6	80	2	8	4	56	4.15	+0.71	3.10	T.	7	19	5	7	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Blacksburg; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for January, 1919.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																		
Allendale ||||	Savannah																			.30	.90					.20	.10		.10	.05					......
Blackville ||||	Edisto		1.00	.50						.10								1.00	.65						.10		.10						3.45
Bowman	do	T.		.39						.46							T.	1.85						.11			.58						3.39
Centenary	Pee Dee		T.	.72						.62								.48	.11					.12		.20	.18						2.43
Charleston ***	Coast	.02		.43					.41	.24			T.					.29						.01			.04	.24						1.68
Cheraw ||||	Pee Dee			.82																.87						.52		1.51						3.72
Conway ||||	Waccamaw	.09		.52	.20					.41										.75						.10		.13	.04					2.24
Darlington ||||	Pee Dee	.08		.57						.10									1.10						.17		1.25						3.27
Edisto ||||	Edisto			.79						.36									1.24						.09		.28	.13					2.89
Effingham ||||	Lynches			.90						.12									.97						.27		.96						3.22
Ferguson ||||	Santee	.06		.64						.40									1.12					.08	.06		.29						2.65
Florence 1 ||||	Pee Dee	.06															.81	.66										1.61						3.14
Florence 2 ||||	do			.15																	.60						.55		10.	.80					2.20
Garnett	Savannah		T.	.87						.37								.66	.01					.05		T.	.16						2.12
Georgetown	Coast	.20		.75						.71								.65	.35					.20		T.	.20						3.06
Kingstree ||||	Black			.45	.06					.38									.75									.37						2.01
Oaks	do	.11	.01	.70	.07					.47								.40	.06					.07		.02	.28						2.19
Orangeburg	Edisto			.62														.90						.15	.05								1.72
Paris Island	Coast																	.10	.10						10								0.30
Pinopolis	Cooper		.73															1.00						.05		.10	.23						2.11
Rimini ||||	Santee	.08		.60						.22									1.48						.18	T.	.43						2.99
St. George ||||	Edisto		.50						.60											.40					.40		.30							2.20
St. Matthews ||||	Santee			.85														.20	1.28						.12		.65						3.10
Society Hill ||||	do	.09		.57						.03									1.33	.02					.26		1.40						3.70
Summerville	Ashley	.05		.48	T.				T.	.50								.55	.10*			T.		.05		T.	.23						1.96
Walterboro	Ashepoo			.75						.52							.10	.70						T.			.20	.20						2.47
Yemassee ||||	do	T.		.76						.45								.75						T				.17					2.13
Western Portion.																																		
Aiken	Edisto		53	.85														1.51	.41					.11		.25							3.66
Anderson	Savannah	.10	.59	1.42														1.02	.25					1.75		.50	.81						6.44
Batesburg ||||	Edisto	T.		1.37					.01									.34	.92					.03	.31		1.64						4.62
Blairs ||||	Broad		.30	1.19														.04	1.08					.09	.74		1.66						5.10
Calhoun Falls ||||	Savannah	.03	.43	2.00					.02	.26								.43	.46						.45		1.77						5.85
Camden ||||	Wateree	.21		1.21						.06									1.55						.30		1.53						4.86
Catawba ||||	Catawba	.05	.15	1.45															1.50					.10	.82		1.55						5.62
Chappells ||||	Saluda		.42	1.20														.27	.82					.20	.30		1.70						4.91
Clemson College	Savannah		1.96			T.												1.70						1.45		1.50							6.61
Columbia ***	Congaree		.84	.16					T.	.01								1.06	.08					.07		1.19	.40						3.81
Edgefield ||||	Savannah		.20	1.40														.38	.90							.25	1.75						4.88
Gaston Shoals ||||	Broad	.26	.99	1.40														.14	1.21					.58	1.09		1.30						6.97
Greenville ***	Saluda	.22	1.76	.07		T.												.95	.30					1.75		.98	.50						6.53
Greenwood ||||	do			1.76						.13									1.08					1.13			1.55						5.65
Heath Spring	Wateree		1.27															1.10							.98	1.35							4.70
Kershaw ||||	Lynches		.50	.60														.80	.45					.63	.02	.15	1.32						4.47
Landrum	Broad	.79	1.35	.88		.06												1.11	.53					1.75		.26	1.26						7.99
Laurens ||||	Saluda			1.97															1.08								1.40						4.45
Liberty	Savannah		3.10				T.		T.									1.10						1.75		.35	2.20						8.50
Little Mountain	Saluda		1.18	.30					T.									.70						.58		.21	1.45						4.42
Meriwether	Savannah	.58	.62																														......
Monetta	Edisto	T.	.60	.82					T.									1.08	.23					.14		.34	1.21						4.42
Newberry	Saluda		1.00	.64					.03									1.00	.17					.80		.33	1.42						5.39
Pelzer ||||	do	.20	.60	1.44														.30	1.20					.68	1.20		1.40						7.02
Saluda	do		.85	.75														1.00	.20					.34		.37	1.50						5.04
Santuck	Broad	.11	1.06	.53					.03									.67	.16					1.42		.34	1.07						5.39
Spartanburg ||||	do	.35	1.22	.85		T.			T.									1.00	.38					1.70		.08	1.35						6.93
Trenton	Edisto		1.59						T.									1.24						.28		.36	.94						4.41
Walhalla	Savannah	.82	1.04	.50		.02			T.									1.26	.20					1.75		.35	1.01						6.95
White Oak	Broad	.01	.25	1.15														.60	.53					.75		.90	.66						4.85
Winthrop College	Catawba		1.35	.65														.70	.75					1.10		.25	1.40						6.20

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡Separate dates of falls not recorded. T. Trace, or less than 0.01 inchs

COMPARATIVE DATA FOR JANUARY.

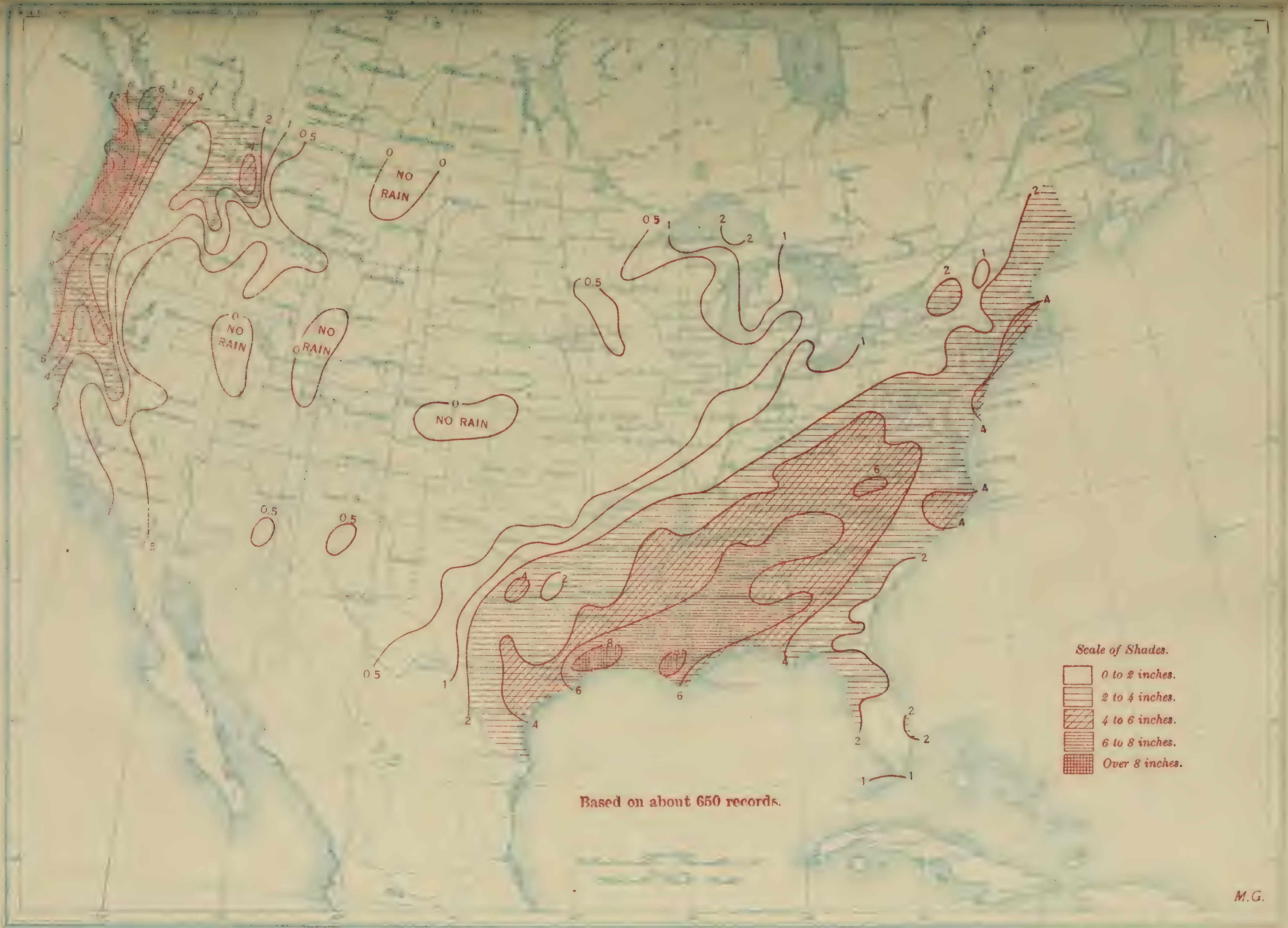
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	40.1	73	5	2.80	8				
1888	46.2	76	15	2.94	10				nw.
1889	44.9	78	15	5.81	10				ne.
1890	54.1	81	17	1.16	6				sw.
1891	46.2	75	21	3.56					w.
1892	42.7	72	16	6.75					nw.
1893	38.0	71	3	2.52	6				
1894	47.9	77	19	3.15	10	10	9	12	ne.
1895	44.2	80	5	7.31	13	9	9	13	sw.
1896	43.8	72	9	3.02	6	12	10	9	ne.
1897	42.2	76	3	2.29	7	13	8	10	nw.
1898	49.2	82	8	1.80	6	12	10	9	sw.
1899	44.4	78	17	4.72	11	10	7	14	n.
1900	44.0	75	3	2.43	8	16	6	9	nw.
1901	45.1	81	18	3.55	9	14	7	10	nw.
1902	42.4	80	11	2.05	5	15	7	9	sw.
1903	43.7	77	13	3.85	11	10	6	15	w.
1904	40.2	74	8	2.97	8	15	5	11	n.
1905	41.4	77	8	2.00	7	15	6	10	w.
1906	47.0	83	12	5.85	11	12	4	15	ne.
1907	53.4	89	18	0.71	4	15	9	7	sw.
1908	44.2	76	17	4.86	9	13	8	10	w.
1909	49.6	83	9	1.54	5	12	9	10	ne.
1910	45.5	80	11	2.98	7	14	10	7	w.
1911	49.8	82	16	1.58	5	14	8	9	sw.
1912	40.2	79	6	4.92	9	13	4	14	w.
1913	53.8	82	23	3.21	8	10	6	15	sw.
1914	46.7	81	18	2.66	5	16	9	6	w.
1915	45.1	74	19	6.31	9	12	6	13	ne.
1916	52.3	81	10	1.76	9	10	9	12	ne.
1917	49.7	79	9	3.74	12	10	7	14	sw.
1918	37.3	82	−2	4.45	10	13	6	12	w.
1919	47.1	80	8	4.15	7	19	5	7	ne.
Period	45.5	89	−2	3.44	8	13	7	11	sw.

Daily Temperatures for January, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Eastern Portion.																																	
Allendale §§	Maximum	....	....	....	....	....	....	....	....	....	....	60	58	60	67	62	56	62	61	68	69	70	71	71	69	62	63	64	65	62	64	70	......
	Minimum	32	....	....	....	....	....	....	....	....	....	....	33	35	35	45	30	40	46	37	36	40	44	49	48	48	44	42	39	38	33	39	......
Blackville §	Maximum	77	70	51	41	48	43	50	51	59	50	45	64	61	68	62	53	59	70	67	72	70	70	71	72	71	60	66	66	65	65	72	61.6
	Minimum	55	45	35	16	20	12	20	35	42	23	27	34	33	33	32	27	45	37	37	35	33	35	36	37	45	44	46	38	35	31	35	34.1
Bowman	Maximum	77	63	52	33	34	44	52	53	57	60	61	60	61	67	59	58	55	63	69	72	73	70	70	71	60	58	60	65	65	66	71	60.6
	Minimum	50	45	33	17	18	15	20	32	40	25	20	24	33	30	32	22	35	38	32	31	34	38	43	42	38	37	35	32	32	26	32	31.6
Centenary	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Charleston	Maximum	70	70	67	37	40	40	47	55	59	43	58	57	62	64	59	56	63	59	64	65	68	65	70	63	61	63	62	63	60	58	66	59.2
	Minimum	57	58	33	22	26	24	31	45	42	32	32	40	38	43	43	40	49	48	44	45	51	52	58	51	51	50	48	50	42	43	46	43.0
Cheraw §§	Maximum	67	52	32	34	41	47	48	54	46	59	50	58	64	56	53	54	64	66	67	68	68	64	65	54	60	60	63	57	60	64	63	56.7
	Minimum	59	54	35	21	19	20	23	37	39	27	31	36	33	33	44	30	45	46	41	39	37	43	54	42	44	45	41	35	37	37	40	37.6
Conway §§	Maximum	73	76	55	55	38	40	51	54	60	48	60	53	65	66	58	55	60	65	70	70	74	72	70	67	65	61	61	65	59	60	68	61.1
	Minimum	38	61	54	29	22	19	20	23	38	28	25	29	31	32	35	26	29	47	36	35	36	40	44	44	36	40	37	38	39	29	34	34.6
Darlington §§	Maximum	75	64	49	35	39	42	53	56	60	49	62	51	61	67	59	53	60	70	72	71	75	75	67	69	56	64	60	60	62	61	70	60.2
	Minimum	45	58	47	34	19	16	19	31	37	25	29	30	30	30	40	22	28	45	35	34	37	39	47	40	36	45	35	30	36	26	33	34.1
Ferguson §§	Maximum	72	67	50	34	36	40	52	58	57	48	52	55	52	58	53	45	60	65	68	66	69	64	68	67	60	58	56	60	59	62	61	57.2
	Minimum	52	58	50	23	17	20	19	22	43	30	23	28	34	32	36	25	35	48	35	32	34	41	46	45	39	39	38	36	35	29	34	34.8
Florence 1 §§	Maximum	75	70	52	45	40	41	52	61	54	51	62	64	65	68	60	69	71	78	73	76	76	74	72	74	70	68	60	66	62	63	68	63.9
	Minimum	51	64	40	25	20	19	22	37	40	23	27	31	38	40	31	26	39	40	36	38	40	39	41	38	39	40	36	34	33	29	34	35.2
Garnett	Maximum	77	72	59	38	41	44	53	58	60	52	62	61	61	69	62	56	63	63	69	72	73	73	72	71	67	63	66	68	63	66	68	62.6
	Minimum	51	59	36	19	22	17	20	35	42	27	22	28	37	34	37	28	46	45	33	31	40	45	58	48	47	49	39	48	36	30	35	36.9
Georgetown	Maximum	72	76	55	55	39	42	52	54	62	48	62	54	47	70	58	58	63	65	70	72	75	70	72	70	60	65	68	61	53	71	70	61.6
	Minimum	40	62	50	26	22	19	21	26	44	27	25	31	36	33	44	28	33	48	38	36	45	44	43	49	40	49	40	38	33	43	46	37.4
Kingstree §§	Maximum	70	58	48	38	39	52	58	59	54	60	57	60	68	60	54	60	65	67	71	73	73	71	69	76	62	62	64	61	69	69	67	61.7
	Minimum	57	58	44	26	20	19	20	35	42	27	25	31	33	32	43	26	46	48	49	37	41	41	54	47	48	47	40	37	35	31	36	37.9
Oaks	Maximum	79	80	60	45	40	39	49	50	63	54	64	65	65	62	....	60	61	60	76	73	78	76	72	72	64	63	65	66	63	67	73	^{a}63.5
	Minimum	55	55	45	27	22	21	20	36	39	28	24	32	32	33	....	27	43	45	34	33	41	40	52	45	36	43	37	42	42	29	34	^{a}36.4
Orangeburg §§	Maximum	70	....	....	....	....	52	60	60	66	64	66	60	61	60	64	66	60	64	66	64	68	70	71	68	70	71	70	66	65	68	71	^{d}65.2
	Minimum	50	....	....	....	....	17	18	20	24	22	21	19	25	24	26	30	35	36	35	34	34	36	39	40	39	38	39	36	34	38	40	^{d}31.4
Paris Island §§	Maximum	60	64	70	50	43	51	53	54	65	60	61	62	60	58	61	62	64	60	62	64	71	70	70	61	62	60	59	57	57	54	52	59.9
	Minimum	30	34	36	22	25	25	25	39	30	29	31	30	31	44	34	38	36	40	39	36	38	40	41	50	49	45	48	47	49	41	36	36.7
St. George §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
St. Matthews §§	Maximum	75	57	44	36	36	41	51	55	58	49	61	60	56	67	36	53	68	69	68	68	71	70	67	68	61	62	59	65	61	63	70	58.9
	Minimum	47	50	44	20	21	17	21	33	41	25	29	34	32	34	43	21	36	45	38	35	38	42	57	43	42	46	39	35	35	32	39	35.9
Society Hill §§	Maximum	74	57	46	31	36	41	49	53	59	49	60	49	58	68	57	51	59	68	69	69	71	72	65	68	56	62	56	65	61	59	68	60.6
	Minimum	41	56	45	23	19	16	20	31	35	25	27	31	31	30	39	22	29	45	35	34	38	38	40	40	35	41	35	29	33	26	35	33.0
Summerville	Maximum	74	73	73	63	41	42	52	57	61	50	60	59	61	68	60	56	64	63	69	71	71	72	73	70	65	61	64	65	63	66	68	63.1
	Minimum	49	61	49	21	22	18	21	37	42	28	25	32	34	36	40	28	46	48	36	36	43	45	56	47	43	49	40	39	35	32	38	37.9
Walterboro	Maximum	78	72	65	46	41	41	53	57	63	69	64	53	61	64	64	55	64	62	72	72	72	73	72	73	65	61	63	67	63	67	57	62.9
	Minimum	53	57	36	24	22	16	18	35	42	27	22	30	34	35	36	25	42	46	34	32	40	43	56	54	43	48	38	37	37	29	35	36.3
Yemassee §§	Maximum	78	71	47	46	41	44	51	56	60	51	58	61	64	69	62	55	63	60	70	72	72	74	73	72	64	62	64	67	63	66	68	62.1
	Minimum	41	55	46	18	21	16	19	34	43	25	22	23	35	35	45	29	48	45	36	31	46	44	58	45	50	49	39	38	36	32	35	36.7
Western Portion.																																	
Aiken	Maximum	72	69	55	40	34	41	50	49	50	55	61	54	59	66	63	55	55	64	66	68	69	68	66	66	64	60	60	63	61	62	68	59.1
	Minimum	55	54	34	15	18	19	25	36	37	24	30	36	34	38	42	36	44	44	37	45	42	47	56	45	47	45	43	40	34	54	40	38.6
Anderson	Maximum	65	64	50	31	27	38	47	56	54	48	63	50	49	63	56	50	46	69	69	67	68	68	56	64	62	64	60	63	62	65	67	56.8
	Minimum	45	48	20	10	17	13	22	29	30	20	26	33	31	31	37	28	37	43	35	39	35	39	49	39	42	42	36	35	32	30	33	32.5
Batesburg §§	Maximum	73	72	54	38	30	40	52	47	54	48	60	53	48	63	57	50	52	64	67	67	69	67	65	64	57	61	61	64	58	61	66	57.5
	Minimum	54	52	34	15	17	17	22	32	39	26	28	34	33	37	42	34	41	43	40	43	41	45	53	46	45	44	48	42	36	34	49	37.6
Calhoun Falls §§	Maximum	69	54	42	33	30	40	50	53	56	51	63	52	51	62	57	50	47	66	68	69	....	....	....	....	....	....	....	70	62	64	69	......
	Minimum	41	52	31	12	12	12	13	21	34	22	22	30	34	31	31	26	30	39	33	34	35	....	....	....	....	....	....	....	35	30	34	......
Camden §§	Maximum	76	59	47	35	35	40	52	54	....	67	63	53	61	67	60	52	55	62	68	69	71	73	72	68	54	65	62	65	63	66	67	^{a}60.0
	Minimum	63	56	26	25	24	21	22	32	45	....	25	33	32	31	45	24	45	46	46	45	37	37	51	50	39	49	36	32	28	29	35	^{a}37.3
Clemson College	Maximum	60	63	55	48	31	34	40	50	52	53	54	54	49	57	52	54	49	63	63	61	62	60	60	60	54	53	58	58	58	60	60	54.4
	Minimum	45	54	45	11	13	10	12	26	31	19	18	23	31	28	40	24	39	45	40	31	32	33	35	33	39	38	33	31	35	26	27	30.5
Columbia	Maximum	75	65	53	32	34	41	48	49	54	48	60	51	59	65	57	51	5	66	67	68	70	69	66	66	54	62	60	64	59	61	68	58.0
	Minimum	57	53	25	20	19	18	24	35	35	26	32	36	35	35	38	30	43	46	41	37	38	45	55	48	42	45	42	35	37	38	42	37.2
Greenville	Maximum	63	63	47	30	24	34	49	59	51	44	65	48	54	61	52	50	47	65	65	64	66	65	50	62	51	60	62	60	58	58	68	54.9
	Minimum	48	47	24	12	18	14	24	32	33	26	26	34	33	36	42	31	38	45	41	45	40	43	49	40	43	44	41	40	38	34	36	35.4
Greenwood §§	Maximum	70	67	53	33	30	36	47	52	53	47	58	52	54	61	55	49	47	64	65	64	66	66	63	62	64	62	56	60	64	60	65	56.3
	Minimum	50	50	31	14	17	14	22	34	35	23	28	30	34	35	40	30	37	44	36	35	37	40	51	42	42	44	40	40	34	34	39	34.9
Heath Spring	Maximum	72	69	67	36	36	38	48	52	52	55	58	57	60	61	60	58	52	65	68	66	67	67	68	66	62	62	62	60	59	55	66	58.8
	Minimum	54	52	36	21	15	15	21	32	32	24	28	27	29	36	41	31	40	40	40	39	40	42	45	50	44	44	38	38	37	33	40	35.6
Kershaw §§	Maximum	74	67	54	37	34	38	49	54	56	47	61	50	58	64	56	50	52	66	68	67	69	71	64	67	55	61	58	63	59	59	68	57.9
	Minimum	54	53	36	22	16	13	19	30	38	24	25	33	32	33	42	26	42	47	38	40	36	42	51	38	39	41	39	32	34	28	39	34.9
Landrum	Maximum	55	60	51	31	27	37	47	54	49	59	63	56	50	64	55	53	46	61	68	65	65	64	58	67	56	56	61	60	58	60	66	55.5
	Minimum	45	48	27	8	11	10	16	27	35	23	29	31	30	31	38	24	36	45	45	34	32	34	42	44	34	40	42	33	37	35	33	32.2
Laurens §§	Maximum	70	55	45	28	28	38	46	53	55	47	58	49	55	....	63	50	47	65	66	63	66	66	57	66	52	63	58	62	61	59	65	^{a}55.2
	Minimum	42	54	32	16	16	13	14	24	32	21	22	25	33	29	....	22	22	40	30	31	29	30	40	38	36	41	34	30	27	26	26	^{a}29.2
Liberty	Maximum	60	64	56	53	38	38	46	54	54	43	57	50	50	61	66	50	46	63	65	63	64	63	56	64	55	61	58	61	60	61	64	56.3
	Minimum	47	51	35	14	18	11	19	29	34	21	22	38	33	33	37	25	39	46	32	35	38	35	50	37	39	45	34	34	36	28	30	33.1
Little Mountain	Maximum	72	66	54	36	31	39	48	50	54	48	58	....	55	64	60	50	50	65	65	66	67	67	66	68	58	60	60	62	60	60	64	^{a}59.8
	Minimum	40	52	36	17	17	16	25	33	38	24	30	....	31	38	45	35	40	45	38	39	39	43	40	42	43	44	40	39	36	35	35	^{a}37.2
Meriwether	Maximum	74	68	45	35	34	43	47	51	55	49	63	62	61	65	66	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	40	42	30	12	15	14	18	20	22	20	29	28	26	37	38	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Monetta	Maximum	74	69	54	44	31	40	51	47	54	51	62	57	60	64	61	53	51	64	69	69	69	69	66	66	60	61	59	62	59	61	68	58.9
	Minimum	54	52	35	16	19	18	23	33	40	26	26	36	35	34	43	32	44	45	40	43	40	45	45	46	45	46	42	39	36	34	37	37.1
Newberry	Maximum	74	67	54	38	31	40	50	53	56	49	61	50	56	64	57	50	50	66	68	65	68	68	64	67	54	62	59	62	61	62	66	57.8
	Minimum	52	53	38	17	18	15	20	30	37	23	24	31	34	30	39	24	40	49	32	33	32	58	52	40	39	45	43	32	30	28	36	34.6
Saluda	Maximum	74	68	55	39	31	41	50	50	55	49	62	52	56	68	60	51	49	65	66	67	69	68	66	66	57	63	60	62	61	61	68	58.4
	Minimum	53	53	35	15	17	20	18	27	38	20	25	24	35	29	37	22	40	45	30	30	29	35	50	40	36	44	32	30	28	26	33	32.1
Santuck	Maximum	71	67	54	38	30	43	48	54	53	46	57	49	54	62	55	50	49	63	64	63	66	68	60	65	52	61	58	61	59	59	65	56.3
	Minimum	49	53	37	17	18	14	19	29	35	22	25	30	33	30	41	24	39	45	34	33	33	37	50	40	38	44	35	32	33	28	33	33.2
Spartanburg §§	Maximum	66	65	58	57	26	38	48	52	52	77	61	59	51	64	62	54	50	64	68	65	67	66	64	67	64	65	60	61	62	59	....	^{a}59.1
	Minimum	46	51	32	13	12	13	20	28	33	21	24	32	33	31	41	25	38	44	40	37	35	36	50	41	38	35	36	34	36	31	....	^{a}32.9
Trenton	Maximum	....	46	46	46	45	40	48	49	53	49	58	61	....	58	62	60	60	68	69	69	69	69	69	66	63	56	61	59	59	60	64	^{b}58.0
	Minimum	....	36	30	14	31	17	23	34	36	24	31	32	....	36	38	36	36	40	41	41	42	46	46	45	46	45	42	35	34	34	42	^{b}35.6
Walhalla	Maximum	58	59	48	30	25	37	46	55	56	48	60	50	53	64	58	51	48	67	66	65	65	63	59	64	55	65	58	61	62	63	66	55.6
	Minimum	46	46	27	11	16	11	16	27	27	16	25	35	27	30	39	25	40	46	33	32	34	37	49	33	40	43	34	31	34	29	33	31.4
White Oak	Maximum	66	67	54	39	31	39	48	53	53	47	58	49	57	63	55	51	52	64	68	68	....	70	61	64	56	61	60	62	60	60	67	^{a}56.8
	Minimum	52	52	37	18	17	14	24	32	36	24	27	30	34	32	42	29	39	46	37	39	....	40	53	39	42	51	38	38	34	33	37	^{a}35.5
Winthrop College	Maximum	71	69	55	39	30	38	48	55	55	42	60	46	57	65	55	50	48	64	69	67	69	69	62	65	57	61	60	60	58	58	68	57.1
	Minimum	55	52	36	18	11	14	24	32	31	28	25	30	32	32	38	24	40	44	38	38	38	39	50	38	39	44	38	37	35	32	34	34.4

Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing: For example, ^{b} represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.



Based on about 650 records.

51.05
NSC

UNIVERSITY OF

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

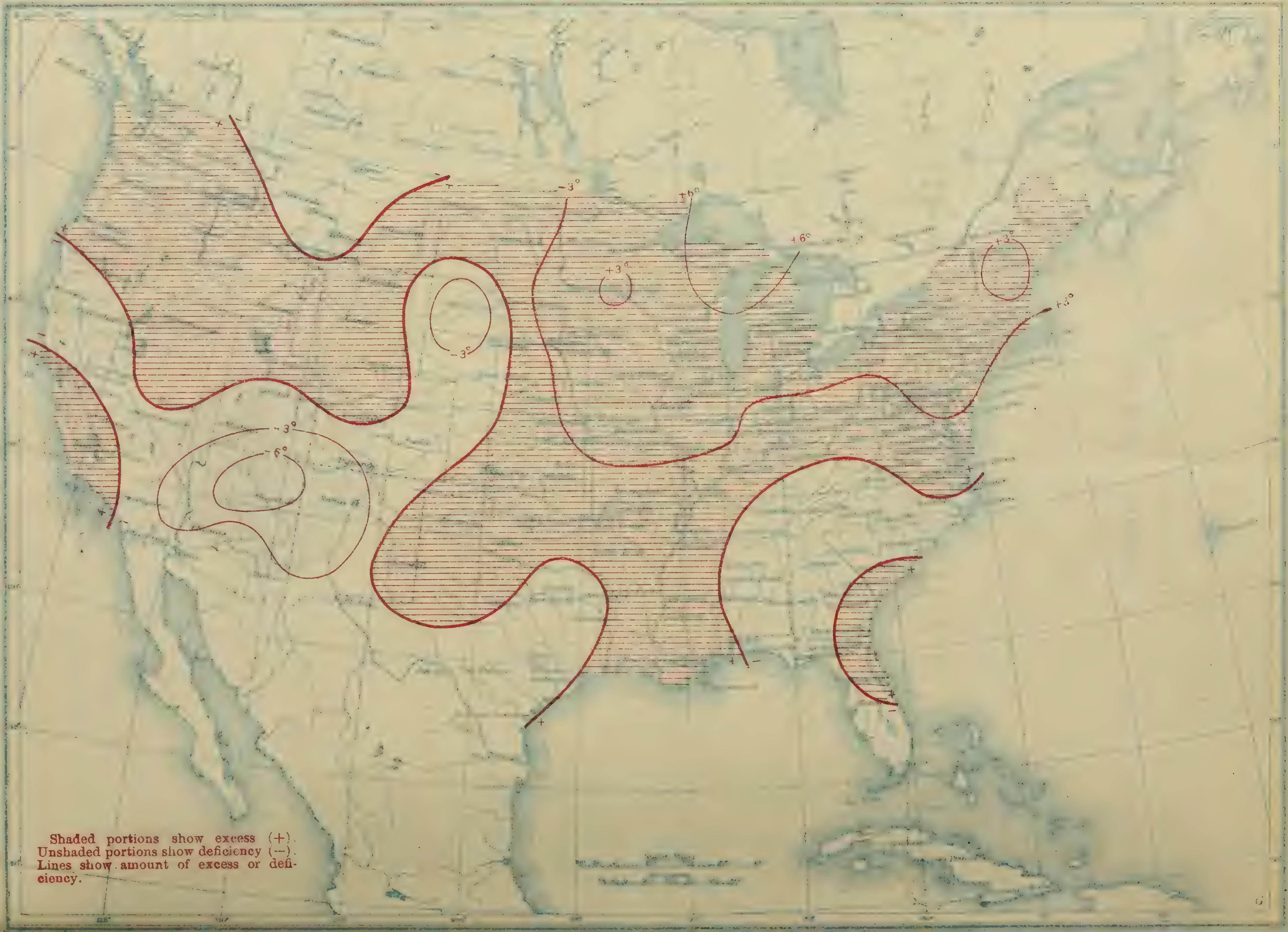
SOUTH CAROLINA SECTION

FEBRUARY, 1919.

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
March 25, 1919

Departure of the Mean Temperature from the Normal, February, 1919.



Shaded portions show excess (+).
Unshaded portions show deficiency (—).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.
RICHARD H. SULLIVAN. Meteorologist.

OL. XXII. COLUMBIA, S. C., FEBRUARY, 1919 No. 2.

GENERAL SUMMARY.

While there were no marked extremes, February was somehat warmer than usual, and the precipitation averaged slightly bove normal.

The comparatively mild weather, with no hard freezes, xcept in the extreme northwestern counties, was generally avorable for all outstanding winter crops, and vegetation was n practically normal stage of advancement at the close of the nonth. Farm work was backward, however, incident to wet oil and labor shortage. Wheat, oats, and rye maintained fair o excellent condition, but some wheat and oats in thin land vere poor. Cotton was about all picked at the close of the nonth, and a good proportion of the crop was being held for etter prices, with prospects for a materially reduced acreage in 919. In the trucking districts of the southern counties the eet, carrot, and cabbage crops show considerable reduction in creage; potato planting was begun in the extreme southern ounties during the latter part of the month. The tobacco creage in 1919 will be increased. Fruit prospects were exellent; budding had extended to the northern State limits at he close of the month, and peaches were blooming in the exreme southern counties, with pears and plums in bloom in cattered sections of the central counties.

PRESSURE.

The mean sea-level pressure, determined from reports of regular Weather Bureau stations in and surrounding the Secion, was 30.03 inches. The highest pressure in the region overed by reports was 30.51 inches at Asheville, N. C., on the 9th, and in the Section proper, 30.48 inches at Columbia on he same date; lowest pressure, 29.39 inches at Asheville, N. C., n the 14th, and in the Section proper, 29.42 inches at Greenille on the 1st.

TEMPERATURE

The monthly mean for the Section, determined from reorts of 43 stations, was 47.5°, or 0.4° above the established ormal. The highest temperature was 75° at Paris Island, eaufort County, on the 24th. The warmest periods were the pening and closing days of the month. The lowest temperaure was 17° at Landrum, Spartanburg County, on the 11th, nd at Winthrop College, Rock Hill, York County, on the 0th. The coldest period of the month was between the 10th nd 12th.

HUMIDITY.

The mean relative humidity, determined from reports of 8 egular Weather Bureau stations in and surrounding the Secion, was as follows: 8 a.m., 78%; 8 p. m., 68%. The highst percentages occurred over the middle Savannah watershed nd extreme eastern counties, and the lowest, over the northern nterior.

PRECIPITATION.

The average for the Section, 55 stations reporting, was .73 inches, or 0.37 inch above the established normal. Preipitation was fairly distributed as to time, but the amounts vere below normal in an extensive area of the northeastern ounties and the middle and northern coastal plain, where the measurements ranged from 4 to less than 3 inches; on the lower coastal plain and in the northwestern counties the monthly amounts ranged from 5 to over 7 inches. The greatest local monthly amount was 7.26 inches at Yemassee, Hampton County, and the least amount was 2.38 inches at Heath Spring, Lancaster County. The greatest 24-hour amount at any station was 3.97 inches at Walterboro on the 25th-26th. The average number of rainy days was 11% above the normal.

Snowfall occurred in the central and northern counties generally between the 9th and 13th, with amounts ranging from Traces to 7.5 inches (Liberty.)

WIND.

The prevailing wind was from the northeast. The average hourly velocity, determined from 8 anemometer records, was 9.1 miles. The highest average velocity in the region covered by reports was 13.6 miles per hour at Savannah, Ga., and in the Section proper, 11.6 miles per hour at Charleston; the lowest average was 6.2 miles per hour at Charlotte, N. C., and in the Section proper, 7.7 miles per hour at Columbia. The highest velocity for any 5-minute period was 44 miles per hour from the west at Savannah, Ga., on the 14th, and in the Section proper, 40 miles per hour from the southwest at Columbia on the same date.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 170.3 hours, or 55% of the possible amount. The average number of clear days was 14; partly cloudy, 4, and cloudy, 10, as against normals of 13, 6, and 9 days, respectively.

RIVER CONDITIONS.

Floods and high water prevailed in the Pee Dee, Santee, and Savannah River Districts after the rains between the 21st and 23d. The Santee River continued near or above flood stage throughout the month. Unavoidable losses incident to floods in the Santee System were conservatively estimated at $5,500, and the value of movable property saved by timely warnings approximated $74,600. In the Pee Dee District the unavoidable losses approximated $12,500, and the value of movable property saved by timely warnings was estimated at $22,500.

MISCELLANEOUS PHENOMENA (dates).

Halos.—Solar: Columbia, 11, 24; Greenville, 8, 11, 17, 24.

Fog, dense.—Charleston, 22; Columbia, 22; Gaston Shoals, 23; Liberty, 26; Rimini, 5

Thunderstorms.—Cheraw, 23; Columbia, 28; Garnett, Greenville, Liberty, Newberry, Santuck, and Walhalla, 22, 28.

Sleet.—Gaston Shoals, 20; Landrum, 3, 20, 21; Little Mountain, 11; Meriwether, 9; Trenton, 9; Walhalla, 20.

Hail.—Liberty, 21; Newberry, 28; Walhalla, 14.

MISCELLANEOUS DATA FOR FEBRUARY, 1919.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.06	37.3	58	16	2.01	0.91	10.6	nw.	82	66	47
Augusta, Ga.......	30.02	48.6	70	26	4.83	2.26	6.4	nw.	86	75	56
Charleston, S. C...	30.02	51.6	70	32	5.51	3.18	11.6	ne.	74	71	56
Charlotte, N. C...	30.02	42.8	67	19	4.85	1.53	6.2	n.	76	63	56
Columbia, S. C....	30.04	46.8	69	26	3.50	1.14	7.7	ne.	77	69	51
Greenville, S. C...	30.01	43.6	64	22	6.48	1.88	8.8	ne.	68	59	57
Savannah, Ga.....	30.02	52.8	70	30	5.32	2.67	13.6	nw.	79	71	56
Wilmington, N. C.	30.03	47.3	68	24	2.83	0.65	7.7	n.	80	72	64
Means and extremes.....	30.03	46.4	70	16	4.42	3.18	9.1	ne. nw.	78	68	55

Climatological Data for February, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	30																	R. B. Vance.
Blackville	Barnwell	296	30	49.4	+2.2	71	† 1	24	11	35	5.10	+0.63	2.00	0.0	9	16	4	8		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	18	47.6	+0.2	72	1	20	11	42	5.66	+1.43	2.38	0.0	12	11	8	9	w.	B. O. Evans.
Centenary	Marion	43	4																	D. L. Carmichael.
Charleston	Charleston	48	48	51.6	−0.1	70	23	32	10	21	5.51	+2.10	3.18	0.0	13	10	7	11	ne.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	29	47.4	+2.7	68	†27	24	10	37	2.74	−1.58	0 65	T.	5					Roland D. Powe.
Conway	Horry	25	33	46.6	−0.7	71	28	23	11	35	3.94	−0.65	1.00	T.	11	14	2	12	ne.	Paul Quattlebaum.
Darlington	Darlington	175	24	46.4	+1.8	73	28	21	11	37	3.15	−1.45	0.76	T.	8	16	1	11		D. C. McCall.
Edisto ‡‡	Bamberg	143	31								5.77	+0.76	1.80	0.0	10					Nathan Jenkins.
Effingham	Florence	106	26								3.23	−2.20	0.92	T.	9					Wm. B. Gillespie,
Ferguson	Orangeburg	63	33	46.8	−0.9	70	28	23	11	32	5.50	−1.42	1.98	0.0	10	10	5	13	e.	Henry C. Savage.
Florence 1	Florence	136	30	47.1	+1.5	73	28	24	11	43	3.31	−1.09	1.24	0.0	6	14	4	10	nw.	H. K. Gilbert.
Florence 2	do	136	4								2.94	−1.46	0.85	T.	6	17	5	6	ne.	Pee Dee Experiment Sta.
Garnett	Hampton	82	1	50.8		72	28	23	11	44	6.26		2.94	0.0	12	6	11	11	w.	Maner B. Robert.
Georgetown	Georgetown	12	24	48.6	+0.1	72	28	25	11	40	5.16	+0.62	1.40	T.	10	14	4	10	n.	A. P. Hazard.
Kingstree	Williamsburg	54	30	48.2	+1.1	72	27	23	11	40	3.31	−0.92	1.29	0.0	7	16	0	12	se.	W. H. Matthews.
Oaks	Georgetown		4	^{b}48.3		^{b}73	28	23	11	^{b}42	4.59		1.31	3.0	13	17	0	11	s.	O. M. Mitchell.
Orangeburg	Orangeburg	264	3					^{1}32	16		4.60		2.28	0.0	9	14	1	13	w.	U. S. Fisheries Station.
Paris Island	Beaufort	13	1	51.4	0.0	75	24	31	10	33	6.10	+2.21	3.00	0.0	5	12	4	12	ne.	U. S. Marine Corps.
Pinopolis **	Berkeley	54	69	47.8	−0.3	65	24	26	†11		4.65	+1.13	1.85	0.0	7	14	7	7	nw.	Miss E. P. Ravenel.
Rimini	Clarendon	97	5								4.67		1.85	0.0	11					William B. Wolfe.
St. George	Dorchester	109	30								3.30	+0.85	1.70	0.0	6	13	7	8	se.	Miss Una T. Whiteside.
St. Matthews	Calhoun	62	23	47.4	+1.5	72	28	23	11	37	4.37	−0.57	1.70	0.0	8	14	4	10	ne.	J. S. Wannamaker.
Society Hill	Darlington	192	27	44.8	+0.4	72	28	21	11	34	3.16	−1.60	0.60	T.	11	17	1	10	e.	A. H. Rogers.
Summerville	Dorchester	75	21	50.2	+1.4	72	28	23	11	41	6.51	+2.07	2.70	0.0	12					Miss E. H. Gadsden.
Walterboro	Colleton	69	16	50.4	0.0	73	1	21	11	44	6.51	+2.19	3.97	0.0	9	19	6	3		J. N. Frank.
Yemassee	Hampton	24	23	50.8	+2.4	71	1	22	11	44	7.26	+3.23	2.17	0.0	10	11	2	15	nw.	W. C. Hutson.
Division means and extremes				48.9	+1.6	75	24	20	11	44	4.69	+0.30	3.97	0.1	9	13	4	11	ne.	
Western Portion.																				
Aiken	Aiken	527	58	48.8	−0.2	69	28	24	10	36	4.33	+0.25	1.51	0.0	8	17	0	11	nw.	Frank B. McCoy.
Anderson	Anderson	764	23	43.5	−0.4	66	1	19	10	42	5.67	+0.39	1.95	T.	14	15	0	13	e.	H. H. Russell.
Batesburg	Lexington	656	30	46.0	−1.2	65	† 1	24	10	37	4.25	−1.63	1.12	T.	8	11	5	12	nw	E. J. Hite.
Blairs	Fairfield	293	16								4.39	+0.49	1.25	0.0	10					J. N. Owens.
Calhoun Falls	Abbeville	508	26	43.6		66	† 1	20	†10	43	4.51	−0.65	1.30	T.	9	14	3	11	e.	L. M. Parker.
Camden	Kershaw	222	59	^{a}49.6	+2.1	^{a}72	28	^{a}22	10	^{a}39	3.57	−0.38	0.70	T	10	17	3	8	ne.	W. C. Brown.
Catawba	York	562	15								4.96	+0.45	1.80	0.0	10					James C. Faris.
Chappells	Newberry	402	15								4.31	+0.60	1.13	0.0	10					J. J. Murran.
Clemson College	Oconee	850	27	41.6	0.8	61	19	21	†10	39	4.48	−0.94	1.60	T.	7	17	1	10	e.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	32	46.8	−1.0	69	28	26	10	28	3.50	−1.09	1.14	0.4	12	11	7	10	ne.	U. S. Weather Bureau.
Edgefield	Edgefield		5								4.32		0.95	T.	9					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	6								5.59	+1.19	1.62	3.2	11					S. C. Lt., Power & Ry. Co.
Greenville	Greenville	1039	26	43.6	+3.1	64	1	22	10	28	6.48	+1.20	1.88	0.2	11	13	4	11	ne.	U. S. Weather Bureau.
Greenwood	Greenwood	671	30	43.8	+0.8	64	1	21	11	38	4.06	−0.75	1.02	0.0	9	13	0	15	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	18	45.8	+3.8	67	28	23	10	36	2.38	−1.90	0.86	T.	6	12	7	9	ne.	J. Marvin Bowers.
Kershaw	Kershaw	500	3	44.4		69	28	22	†10	38	3.08		1.09	T.	7	19	0	9	w.	John W. Hamel.
Landrum	Spartanburg	1063	4	4.19		64	1	17	11	42	6.88		1.76	1.6	12	16	2	10		R. Hartwell Wilds, D.D.S.
Laurens	Laurens	589	1	42.2		65	28	20	†11	38	4.93		1.70	T.	6	16	0	12		Perry A. Simpson.
Liberty	Pickens	900	20	44.2	+1.7	62	† 1	20	11	33	6.32	+0.53	1.45	7.5	12	15	4	9	s.	John T. Boggs.
Little Mountain	Newberry	711	26	45.1	−0.1	64	† 1	21	10	33	3.78	−1.01	1.05	1.0	8	16	1	11	n	J. M. Sease, M. D.
Meriwether	McCormick	450	16	^{d}46.8	+0.4	^{d}70	28	^{d}20	†10	^{d}44	4.92	+0.34	1.80	T.	7	11	6	11		Mrs. Marie R. Middleton.
Monetta	Saluda	400	12			67	28				4.10	−0.73	1.00	T.	12	10	10	8	ne.	Joseph M. Johnson.
Newberry	Newberry	502	16	44.8	+0.6	68	28	22	10	40	4.52	+0.38	1.01	1.4	12	15	3	10	e.	Warren G. Peterson.
Pelzer	Anderson	850	15								5.42	+0.94	1.36	T.	10					Joshua Y. Jones.
Saluda	Saluda	536	18	45.8	−0.5	67	28	20	11	42	4.75	+0.01	1.25	T.	10	16	2	10	n.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	26	43.6	+1.0	68	28	21	11	39	5.45	+0.51	1.84	0.1	10	14	7	7	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	33	44.4	+2.0	66	1	20	10	40	5.84	+1.08	1.68	T.	12	15	0	13		F. P. Robinson.
Trenton	Edgefield	620	30	^{b}46.8	+0.7	^{b}70	1	^{b}25	†10	^{b}35	4.93	−0.49	1.00	T.	9	9	8	11	e.	Mrs. S. E. Long.
Walhalla	Oconee	1061	16	42.8	−0.4	64	23	19	11	41	6.46	+1.24	1.87	T.	12	12	6	10	ne.	H. W. Brandt.
White Oak	Fairfield	548	3	44.8	−0.3	69	28	22	10	37	3.73	−0.55	0.88	T.	11	17	2	9	ne.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	19	43.6	+0.9	67	28	17	10	37	5.80	+1.08	1.85	2.5	9	10	10	8	ne.	W. P. Goodman.
Division means and extremes				44.8	+0.5	72	28	17	†10	44	4.76	+0.07	1.88	0.6	10	14	4	10	ne.	
Section means and extremes				47.5	+0.4	75	24	17	†10	44	4.73	+0.37	3.97	0.3	10	14	4	10	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Blacksburg; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

ERRATA.

JANUARY.—*Greenville:* Mean temperature in table of miscellaneous data, page 3, should be 45.1. Mean temperature, page 4, should be 45.1. Minimum temperature, 15th, page 6, should be 40; mean minimum temperature should be 35.3. *Spartanburg:* Mean temperature, page 4, should be 46.0.

Daily Precipitation for February, 1919.

Stations.	Watersheds.	Day of month.																														Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ‖	Savannah																																
Blackville ‖	Edisto						.15	.70						.15								.75	.10			2.00	1.00		.15				5.10
Bowman	do			.28	.20	.25	.22				.15	.29					.40						.39	.20		.50	2.38	.40					5.66
Centenary	Pee Dee																																
Charleston ***	Coast		.06	.52	.30	.10	.06			.07				.22							.04	.52	.08			3.00	.52	T.	.02				5.51
Cheraw ‖	Pee Dee				.54						T.				.39							.53		.65		.63	T.						2.74
Conway ‖	Waccamaw			.02	.56	.02	.33				.21				.57							.51	.14	.22		.36	1.00	T.					3.94
Darlington ‖	Pee Dee			T.	.50	.03	.05				T.											.46		.46		.76	.22						3.15
Edisto ‖	Edisto			.27	.61		.18				.26				.37							.60	.05	.25		1.80	1.38						5.77
Effingham ‖	Lynches			.08	.52		.11				.42				.37							.27		.22		.32	.92						3.23
Ferguson ‖	Santee			.45	.88		.20				.31				.32							.66	.04	.16		.50	1.98						5.50
Florence 1 ‖	Pee Dee				.61		.05															1.24	.48			.86	.07						3.31
Florence 2 ‖	do				.10	.35						.37			.85							.47					.80						2.94
Garnett	Savannah			.18	.35	.13	.23			.25				.03	.17						T.	.80	.1'			2.94	.72		.30				6.26
Georgetown	Coast			.50	.50		.40			.25	T.				.40							.83	.18			1.40	.55		.15				5.16
Kingstree ‖	Black			.20	.63		.20				.25				.24											.50	1.29						3.31
Oaks	do			.22	.72	.06	.31			.05	.30			.01	.37							.68	.16			1.31	.36		.04				4.59
Orangeburg	Edisto				.25	.36								.12	.35							.24	.36			2.25	.55		.12				4.60
Paris Island	Coast		.20												.30							.60				2.00	3.00						6.10
Pinopolis	Cooper			1.05		.30								.10								.77	.02			1.85	.56						4.65
Rimini ‖	Santee		.22	.32	.09						.22			.35		.30						.64		.08		1.85	.55		.05				4.67
St. George ‖	Edisto	.30		.40						.30							.30									1.70			.30				3.30
St. Matthews ‖	Santee			.20	.40						.22				.49							.80		.16		1.70	.40						4.37
Society Hill ‖	do				.53		.05				.22			.02	.35							.47	.14	.37		.60	.40		.01				3.16
Summerville	Ashley			.30	.87	.06	.51			.22	.05			.25	.05							.87				2.70	.57		.06				6.51
Walterboro	Ashepoo			.41	.62	.23	.20			.20													.86			3.57	.40		.02				6.51
Yemassee ‖	do			.45	.57	T.	.52			.19					.14							.80		.20		1.90	2.17		.32				7.26
Western Portion.																																	
Aiken	Edisto				.53		.14							.65	.21							.57	.19			1.51	.53						4.33
Anderson	Savannah			.05	.50	.06	.02		.04	.06		T.		1.05	.20						.10	.35	1.95			.95	.08		.26				5.67
Batesburg ‖	Edisto				T	.43	.11				.18		T.		1.12							.47		.54		.98	.42						4.25
Blairs ‖	Broad				.57		.06				.02			.10	1.15							.37	.31	.83		.60	.38						4.39
Calhoun Falls ‖	Savannah					.40		.01	T.		T.		T.	.19	.91							.36	.26	.80		1.30	.25						4.51
Camden ‖	Wateree					.55		.10				.23			T.	.55						.43	.08	.54		.70	.33	.06					3.57
Catawba ‖	Catawba				.45		.10				.15			.03	.90							.45	.10	1.80		.58	.40						4.96
Chappells ‖	Saluda				.50		.06				.12		T.	.15	.90							.45	.26	.87		.80	.20						4.31
Clemson College	Savannah				.55	.15				T.				1.60							.70		.70			.30			.48				4.48
Columbia ***	Congaree			.30	.09	.04				.14	.01	T.		.55							.42	.14	.40			1.12	.17		.12				3.50
Edgefield ‖	Savannah				.45		.20							.15	.95							.52	.10	.48		.92	.55						4.32
Gaston Shoals ‖	Broad				.41		.08				.31		.01	.03	1.52							.38	.26	1.62		.65	.32						5.59
Greenville ***	Saluda			.36	.05	.10		T.		.12		.01		1.47							.39	.14	1.88			1.00			1.06				6.48
Greenwood ‖	do			.47		.15								.35	.83							.36	.18	1.02		.48	.22						4.06
Heath Spring	Wateree				.42	.10				T.				.86								.25	.45			.30							2.38
Kershaw ‖	Lynches					.09	.05				.28			.69	.08								1.09			.80							3.08
Landrum	Broad			T.	.50	.03				.12	.04			1.36	1.46						.17	.05	1.76	.06		.91			.42				6.88
Laurens ‖	Saluda				.50					T.		T.		.45	1.10								1.70	.68		.50							4.93
Liberty	Savannah			.02	.96		.04		.06	.80		.10		.15							.06	.48	1.10			1.45			1.10				6.32
Little Mountain	Saluda				.52	.12				.12				.94									.87			1.05	.12		.04				3.78
Meriwether	Savannah				.48		.14			T.		T.	T.	1.10							.30		.60			1.80			.50				4.92
Monetta	Edisto			.02	.38	.02	.01			.08				.69	.31						T.	.54	.49			1.00	.49		.07				4.10
Newberry	Saluda				.56	.07				.10		.04		.92	.09							.45	1.01	.07		.77	.16		.28				4.52
Pelzer ‖	do				.50		.12			T.	.16			.18	1.18							.44	1.04	.90		.78	.12						5.42
Saluda	do				.45	.16	.10			.15				1.25								.53	.62			.76	.58		.15				4.75
Santuck	Broad			T.	.43	.08				.07		T.		1.24							.10	.28	1.84	.07		.82			.52				5.45
Spartanburg ‖	do			.41		.03				.23		.04	.85	.70							.30		1.68	.10		.92	.05		.53				5.84
Trenton	Edisto			T.	.38	.09				T.	T.			.75	.38						T.	.45	.42			1.00		.51	.95				4.93
Walhalla	Savannah			.50	.16	.06		.03		.22		T.		1.36	.30						.36	.25	1.87			1.04			.31				6.46
White Oak	Broad				.40	.05	.04			.05	T.			.88	.15							.32	.85	.02		.85			.12				3.73
Winthrop College	Catawba		.10		.40					.15	.10			1.00								.65	1.85			1.00			.55				5.80

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡Separate dates of falls not recorded. T. Trace, or less than 0.01 inchs

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.	Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.			Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	52.6	80	24	3.41	12					1905	38.9	72	0	5.21	9	10	4	14	ne.
1888	49.9	76	15	4.83	10				ne.	1906	46.0	76	12	2.58	6	16	5	7	ne.
1889	41.9	75	10	5.60	8				*w.	1907	45.1	84	16	3.63	8	10	8	10	ne.
1890	56.1	83	21	2.38					sw.	1908	43.6	81	12	5.28	10	14	6	9	w.
1891	54.7	83	13	4.23					sw.	1909	52.2	84	12	4.49	8	15	7	6	sw.
1892	49.2	73	18	3.64					*sw.	1910	44.7	79	15	4.71	9	12	6	10	w.
1893	51.0	82	25	5.05	12					1911	52.1	85	20	1.60	5	13	8	7	sw.
1894	48.9	76	16	4.35	10	8	9	11	sw.	1912	42.3	80	8	5.99	8	15	5	9	w.
1895	37.4	78	− 6	3.07	7	13	6	9	nw.	1913	48.9	80	22	4.50	8	12	4	12	w.
1896	48.2	81	5	6.13	8	13	8	8	sw.	1914	44.6	78	14	4.41	9	12	6	10	n.
1897	50.0	83	15	7.80	11	10	7	11	sw.	1915	48.6	80	20	3.15	6	15	6	7	n.
1898	44.5	78	10	0.86	3	15	6	7	w.	1916	48.5	81	11	3.96	8	17	6	6	sw.
1899	43.0	80	− 11	6.98	12	9	7	12	w.	1917	47.3	87	−2	4.11	8	14	7	7	sw.
1900	44.0	78	1	5.77	10	9	7	12	w.	1918	52.4	88	11	1.89	7	14	7	7	sw.
1901	43.2	78	7	3.08	6	14	7	7	nw	1919	47.5	75	17	4.73	10	14	4	10	ne.
1902	40.6	77	11	5.89	8	12	6	10	nw.										
1903	49.0	81	11	7.03	10	10	7	11	sw.	Period	47.1	88	−11	4.36	9	13	6	9	sw.
1904	45.2	86	15	3.59	9	12	6	11	ne.										

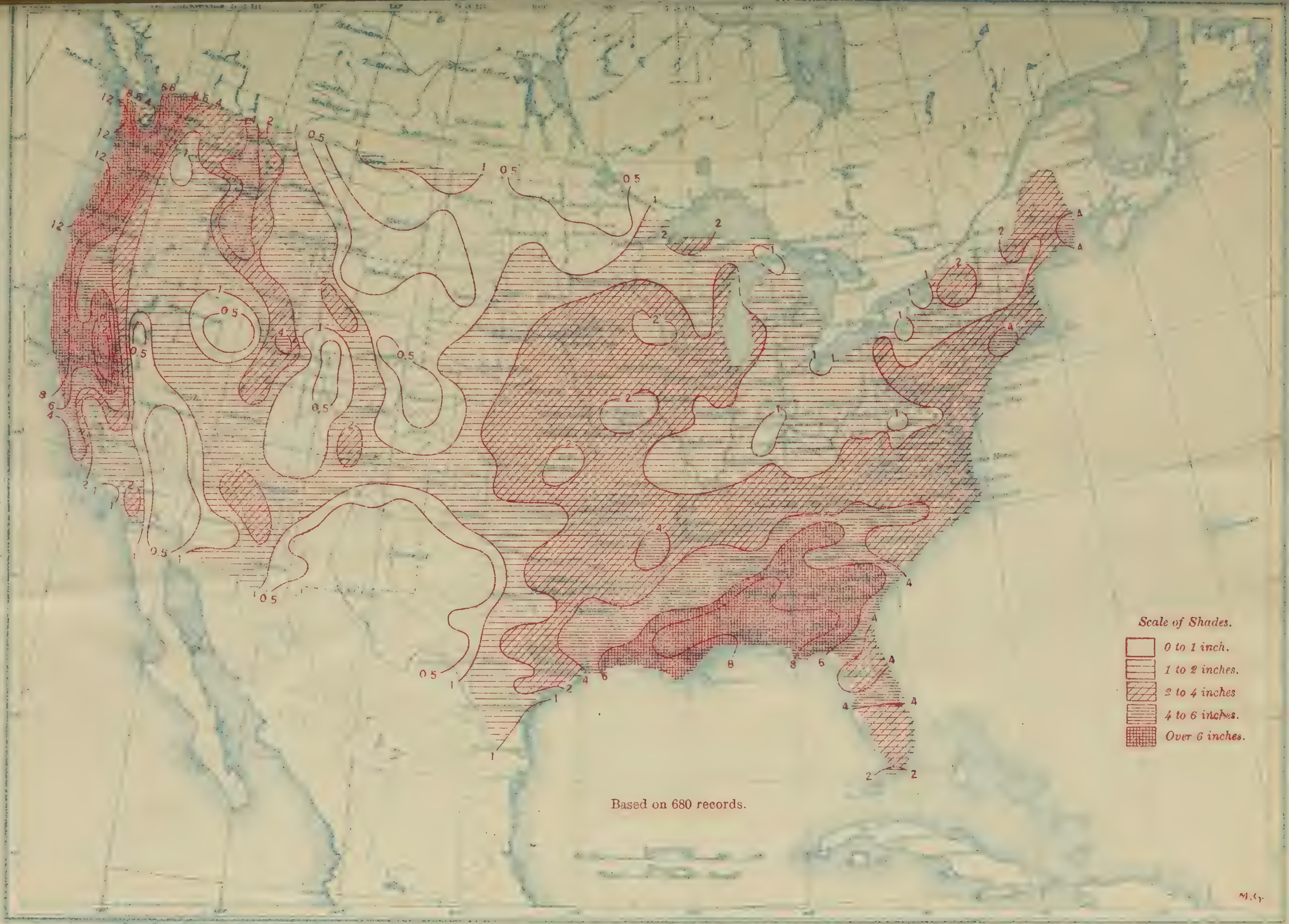
*Also nw.

Daily Temperatures for February, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Blackville §	Maximum	71	69	68	70	66	65	64	62	63	45	49	65	64	67	58	60	57	59	66	56	59	67	70	68	64	58	66	71	...	...	...	63.1
	Minimum	37	36	39	37	33	36	29	34	36	26	24	33	38	51	33	32	26	29	35	38	30	35	44	39	46	45	32	45	...	...	...	35.6
Bowman	Maximum	72	62	55	50	55	56	62	62	50	53	62	65	58	66	60	55	60	65	64	63	64	65	67	66	65	60	64	70	...	...	...	61.3
	Minimum	31	34	36	35	37	36	25	33	35	25	20	34	36	50	45	30	23	34	31	36	37	36	37	36	37	32	28	40	...	...	...	33.9
Centenary	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Charleston	Maximum	61	56	56	56	54	54	56	64	55	42	48	62	66	68	56	51	53	61	51	57	63	66	70	58	65	58	57	65	...	...	...	58.2
	Minimum	46	47	49	49	46	43	43	44	38	32	35	45	53	56	40	37	32	42	39	43	54	52	53	47	57	47	43	51	...	...	...	45.1
Cheraw §§	Maximum	55	49	50	49	52	56	57	48	40	46	62	60	62	50	49	56	54	53	47	57	59	65	58	59	53	59	68	68	...	...	...	55.0
	Minimum	41	39	40	48	40	35	51	41	35	24	25	33	51	50	42	34	30	46	33	35	38	41	42	52	47	43	37	45	...	...	...	39.9
Conway §§	Maximum	67	54	53	51	51	55	58	62	50	40	49	60	65	70	55	52	55	63	53	57	58	62	66	62	64	56	59	71	...	...	...	57.8
	Minimum	35	33	37	40	44	40	29	30	32	29	23	25	31	44	47	34	28	31	30	28	35	39	46	38	41	48	32	38	...	...	...	35.4
Darlington §§	Maximum	69	56	48	49	48	56	61	63	50	42	48	60	64	67	52	53	57	64	60	49	57	60	68	62	62	57	61	73	...	...	...	57.7
	Minimum	35	34	38	41	42	36	26	34	32	27	21	31	38	51	43	33	26	35	27	26	36	35	41	34	45	43	28	42	...	...	...	35.0
Ferguson §§	Maximum	62	63	53	50	51	53	60	61	38	47	48	59	63	63	52	51	57	60	59	50	53	60	62	68	64	55	57	70	...	...	...	56.8
	Minimum	32	36	35	40	44	40	28	34	34	29	23	28	35	55	45	33	28	34	31	32	41	49	40	39	48	49	30	43	...	...	...	36.8
Florence 1 §§	Maximum	65	60	50	49	50	55	63	62	53	42	49	61	62	64	53	54	58	65	56	49	56	53	68	64	61	55	62	73	...	...	...	57.8
	Minimum	36	39	40	41	44	38	29	33	35	28	24	32	44	40	35	33	29	37	29	30	36	37	43	38	48	45	30	45	...	...	...	36.4
Garnett	Maximum	71	61	61	57	54	58	64	63	57	47	52	67	65	68	63	53	59	61	59	55	59	68	71	66	63	61	65	72	...	...	...	61.4
	Minimum	34	43	45	46	44	41	30	36	38	29	23	35	48	53	44	35	26	36	33	42	45	53	46	37	53	50	34	48	...	...	...	40.2
Georgetown	Maximum	65	52	55	49	52	57	58	53	55	43	51	63	68	70	66	54	56	49	51	59	60	66	65	61	62	55	60	72	...	...	...	58.2
	Minimum	36	36	41	43	48	40	30	35	38	28	25	32	43	56	46	35	29	32	33	32	43	47	52	40	50	46	32	46	...	...	...	39.1
Kingstree §§	Maximum	58	55	49	52	54	60	63	54	44	50	62	65	68	61	53	56	62	55	56	53	60	67	63	64	62	65	72	69	...	...	...	59.0
	Minimum	34	35	40	41	45	39	29	34	34	28	23	33	43	56	43	33	28	33	31	30	37	40	45	39	45	47	32	43	...	...	...	37.4
Oaks	Maximum	63	60	53	50	53	58	53	63	53	43	53	65	65	72	...	...	54	66	63	50	53	63	70	63	63	60	63	73	...	...	...	[b]59.4
	Minimum	33	33	40	45	47	38	29	31	34	29	23	31	40	51	46	34	28	34	34	29	40	40	50	38	43	45	31	46	...	...	...	37.2
Orangeburg §§	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	41	40	40	42	34	40	...	39	49	...	...	34	36	...	...	32	...	38	...	40	38	36	39	38	36	40	...	...	...	...	...	[i]38.9
Paris Island §§	Maximum	55	50	54	60	58	56	60	64	51	50	55	65	66	68	55	54	55	60	64	61	60	61	65	75	64	60	71	68	...	...	...	60.3
	Minimum	44	42	41	41	42	42	41	41	45	31	23	42	52	53	47	45	31	31	40	37	37	52	50	47	54	50	41	42	...	...	...	42.6
St. George §§	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
St. Matthews §§	Maximum	66	55	55	50	51	51	60	61	52	44	52	60	65	65	52	59	58	64	54	48	55	63	68	60	63	54	60	72	...	...	...	57.9
	Minimum	35	37	40	43	43	38	28	40	34	27	23	31	40	45	43	32	28	27	33	33	39	41	44	38	50	45	31	42	...	...	...	36.9
Society Hill §§	Maximum	64	54	50	49	47	53	58	58	45	39	46	60	63	66	53	53	55	61	52	47	55	51	67	60	61	53	59	72	...	...	...	55.4
	Minimum	36	33	38	41	41	36	26	33	33	26	21	29	35	50	42	32	26	32	27	27	31	31	43	35	40	42	29	38	...	...	...	34.1
Summerville	Maximum	71	57	54	53	52	56	61	62	56	46	51	64	68	68	62	53	57	61	55	53	69	67	69	61	64	62	62	72	...	...	...	60.3
	Minimum	38	41	43	46	47	41	30	36	36	29	23	37	44	55	42	33	27	36	34	35	45	51	48	43	52	49	32	46	...	...	...	40.1
Walterboro	Maximum	73	60	58	53	52	65	70	70	55	53	51	65	71	62	62	68	70	72	67	55	61	67	71	66	62	50	65	68	...	...	...	62.9
	Minimum	33	41	44	46	45	40	28	33	35	29	21	35	45	46	43	28	30	31	31	37	41	45	40	47	53	36	37	45	...	...	...	38.0
Yemassee §§	Maximum	71	60	59	51	52	57	63	62	55	45	52	65	69	68	52	53	58	62	58	59	55	68	69	58	63	58	65	68	...	...	...	59.9
	Minimum	36	45	45	46	44	40	29	40	38	28	22	37	52	52	43	34	26	40	36	42	52	60	48	59	52	52	33	49	...	...	...	41.6
Western Portion.																																	
Aiken	Maximum	66	65	52	52	51	52	61	59	56	44	46	63	61	61	60	50	55	61	60	54	59	66	66	63	63	60	61	69	...	...	...	58.5
	Minimum	39	41	41	41	43	36	48	38	37	21	27	33	50	50	41	32	23	36	34	37	36	46	41	40	50	44	33	52	...	...	...	39.1
Anderson	Maximum	66	55	45	50	49	56	59	55	45	47	38	60	57	58	46	50	57	63	57	42	57	46	64	59	49	53	61	65	...	...	...	53.9
	Minimum	37	35	29	36	38	31	29	33	29	19	23	29	45	42	32	27	21	32	29	32	31	37	38	52	43	37	30	42	...	...	...	33.1
Batesburg §§	Maximum	65	59	51	50	50	52	59	57	52	41	45	62	57	61	54	43	55	59	51	49	57	62	64	60	56	55	53	65	...	...	...	55.2
	Minimum	40	34	40	39	41	35	34	40	34	24	25	32	42	49	38	31	27	36	32	35	34	41	42	37	48	43	34	42	...	...	...	36.8
Calhoun Falls §§	Maximum	63	55	46	51	48	56	60	58	43	46	40	63	59	60	43	48	55	63	56	43	59	47	62	62	50	53	61	66	...	...	...	54.4
	Minimum	35	38	39	39	42	33	31	32	35	20	20	20	21	48	39	30	22	23	32	33	34	35	39	35	37	42	30	31	...	...	...	32.7
Camden §§	Maximum	70	58	51	50	49	46	62	...	61	54	46	63	61	65	51	53	57	64	58	58	57	52	68	63	59	58	63	72	...	...	...	[a]54.1
	Minimum	37	45	42	44	45	34	30	34	...	22	25	40	42	53	43	45	44	44	43	38	37	43	41	45	54	43	44	53	...	...	...	[a]41.1
Clemson College	Maximum	50	50	54	50	50	50	54	53	53	43	41	52	52	57	53	54	57	60	61	44	52	56	56	58	60	52	51	54	...	...	...	52.9
	Minimum	31	27	27	40	36	35	28	27	34	21	21	28	29	34	31	33	21	26	27	33	35	36	36	30	31	27	27	41	...	...	...	30.4
Columbia	Maximum	64	55	49	50	49	52	59	57	48	42	46	62	61	63	48	49	56	59	53	47	57	59	65	60	60	56	59	69	...	...	...	55.5
	Minimum	39	39	42	41	39	37	31	40	33	26	28	34	50	47	37	34	28	28	33	35	36	42	42	39	49	41	36	44	...	...	...	38.0
Greenville	Maximum	64	52	47	49	50	53	58	56	42	42	36	57	59	59	44	47	53	58	55	40	55	44	61	60	50	51	58	60	...	...	...	52.1
	Minimum	44	36	39	31	38	34	34	30	25	22	25	29	46	44	33	29	26	35	31	32	32	40	39	35	42	37	35	43	...	...	...	35.1
Greenwood §§	Maximum	64	55	49	50	48	52	57	55	48	41	40	59	55	59	50	45	53	59	53	46	55	50	61	55	53	54	58	57	...	...	...	52.8
	Minimum	35	36	40	39	40	32	30	36	32	22	21	30	49	49	37	30	24	35	31	32	33	37	40	35	45	47	29	35	...	...	...	34.8
Heath Spring	Maximum	62	64	61	58	57	56	55	56	59	57	56	54	58	60	59	47	58	58	59	55	54	54	54	57	58	54	54	67	...	...	...	57.1
	Minimum	42	34	37	39	41	31	32	33	37	23	24	30	40	51	39	33	26	30	28	31	32	31	36	34	35	40	34	40	...	...	...	34.6
Kershaw §§	Maximum	66	56	49	50	50	52	58	57	47	40	44	59	59	64	57	50	53	59	53	47	53	47	62	59	57	53	59	69	...	...	...	54.6
	Minimum	39	33	38	40	40	32	28	33	21	22	22	28	40	49	39	29	25	34	27	29	35	35	43	34	47	37	31	39	...	...	...	34.2
Landrum	Maximum	64	55	51	54	52	55	55	51	49	30	35	59	55	56	47	45	55	55	50	44	45	46	55	57	49	51	56	52	...	...	...	51.4
	Minimum	40	33	30	37	41	31	25	35	31	22	17	23	40	45	34	30	28	30	26	26	31	39	34	31	41	34	25	38	...	...	...	32.4
Laurens §§	Maximum	62	59	49	52	47	52	57	55	42	43	40	58	58	59	46	48	54	58	52	44	57	47	62	57	49	53	57	65	...	...	...	52.9
	Minimum	30	32	36	39	42	29	26	23	37	22	20	20	43	51	37	28	21	22	28	28	34	32	37	35	36	40	25	29	...	...	...	31.6
Liberty	Maximum	62	55	58	53	54	56	57	55	50	45	40	58	58	56	49	51	60	55	48	55	56	48	62	59	51	53	57	57	...	...	...	54.2
	Minimum	38	38	42	42	32	30	32	35	33	20	33	33	34	34	34	27	32	31	21	35	36	42	40	32	36	33	28	50	...	...	...	34.3
Little Mountain	Maximum	64	60	56	57	50	51	55	60	49	40	44	50	58	64	54	50	55	59	53	48	51	50	64	57	54	52	58	60	...	...	...	54.5
	Minimum	39	35	36	39	39	33	39	36	32	21	26	32	40	48	36	30	26	35	33	31	31	40	41	35	46	42	33	43	...	...	...	35.7
Meriwether	Maximum	...	...	...	...	51	50	58	60	54	50	45	60	65	60	60	50	58	60	62	53	60	65	65	62	59	57	61	70	...	...	...	[d]58.1
	Minimum	...	...	...	...	43	42	40	41	30	20	20	30	46	46	37	30	23	31	38	33	31	31	41	33	41	40	26	42	...	...	...	[d]35.4
Monetta	Maximum	65	61	52	51	51	52	60	60	54	42	45	61	60	62	57	49	55	60	58	52	58	66	65	62	58	56	60	67	...	...	...	57.1
	Minimum	39	40	40	40	41	36	32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Newberry	Maximum	53	55	56	56	60	53	60	59	48	43	42	59	56	60	54	50	56	62	54	46	54	50	65	58	53	54	59	68	...	...	...	55.1
	Minimum	33	36	40	40	42	32	29	34	33	22	23	23	42	50	39	30	24	31	30	31	34	37	42	35	47	42	28	40	...	...	...	34.6
Saluda	Maximum	65	59	59	53	49	55	66	55	50	45	44	61	60	62	55	50	55	62	54	48	60	53	66	62	55	56	60	67	...	...	...	56.3
	Minimum	30	30	41	40	40	32	27	40	32	23	20	35	50	51	39	30	22	30	30	30	34	37	41	52	46	42	25	40	...	...	...	35.3
Santuck	Maximum	63	57	50	52	48	51	58	56	48	42	42	50	55	60	50	50	51	58	52	46	47	45	62	58	53	54	58	68	...	...	...	53.4
	Minimum	31	31	39	39	38	32	28	35	32	21	21	28	41	48	37	29	24	33	28	29	35	32	40	33	45	41	29	42	...	...	...	33.9
Spartanburg §§	Maximum	66	63	50	52	52	53	58	57	53	42	42	61	60	59	57	51	55	58	58	54	50	60	61	59	58	54	60	63	...	...	...	55.9
	Minimum	37	32	40	38	39	30	29	35	32	20	21	28	42	47	36	23	24	33	27	30	32	32	32	32	43	36	29	42	...	...	...	32.9
Trenton	Maximum	70	62	52	50	49	50	59	57	52	43	45	60	55	61	57	50	56	61	53	50	59	65	...	65	65	...	57	68	...	...	...	[b]56.6
	Minimum	38	40	40	40	41	40	33	43	42	25	25	33	46	44	39	26	33	35	33	36	37	44	...	38	40	...	39	33	...	...	...	[b]37.0
Walhalla	Maximum	63	60	50	51	51	55	55	56	46	43	36	60	53	55	46	49	57	62	53	46	56	46	64	56	52	56	55	52	...	...	...	53.1
	Minimum	32	35	40	42	40	30	27	33	32	21	19	27	46	44	33	28	20	29	21	33	33	35	31	29	41	39	27	41	...	...	...	32.6
White Oak	Maximum	64	57	49	50	52	53	58	58	54	42	42	59	56	61	55	50	54	58	52	46	53	46	63	61	54	54	58	69	...	...	...	54.6
	Minimum	37	34	39	39	40	32	29	35	32	22	24	30	46	50	39	29	25	34	29	31	34	36	42	35	45	42	32	41	...	...	...	35.1
Winthrop College	Maximum	65	56	50	51	48	52	57	54	44	39	41	38	55	60	53	55	52	58	58	45	46	46	63	63	53	52	58	67	...	...	...	52.6
	Minimum	35	32	37	38	33	30	29	33	32	17	21	30	47	51	37	28	34	32	27	29	33	38	40	34	45	40	30	43	...	...	...	34.5

Reference letters (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 1 inch.
1 to 2 inches.
2 to 4 inches
4 to 6 inches.
Over 6 inches.
Based on 680 records.
M.G.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN. Meteorologist.

VOL. XXII. COLUMBIA, S. C., MARCH, 1919 No. 3.

GENERAL SUMMARY.

March temperatures averaged somewhat above normal, with no severe frosts. The rainfall was considerably below the average, and the latter part of the month was unusually dry.

Spring plowing was generally 10 days to two weeks backward, and three weeks late in considerable up-State areas, due to wet soil and labor shortage, but the advance of vegetation was about normal for the season. Cotton planting began in the extreme southern counties and in scattered sections of the interior about the close of the month, with indications of material reduction in acreage. Corn planting has progressed as far northward as the lower Piedmont, and some had germinated on the lower coastal plain and in isolated sections of the central counties. Wheat, oats, and rye were in generally good to excellent condition. Tobacco preparations indicate an increased acreage for the coming season. But little gardening and early field truck work had been done at the close of the month. Peaches, pears, and plums were generally in bloom after about the 15th, and the month closed with the woods practically green in the central, eastern, and southern counties.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 30.13 inches. The highest pressure in the region covered by reports was 30.57 inches at Asheville, N. C., on the 12th, and at Charlotte and Wilmington, N. C., on the 15th, and in the Section proper, 30.55 inches at Columbia on the 12th; the lowest pressure was 29.52 inches at Wilmington, N. C., on the 27th, and in the Section proper, 29.59 inches at Greenville on the same date.

TEMPERATURE

The monthly mean for the Section, determined from reports of 43 stations, was 56.5°, or 1.7° above the established normal. The highest temperature was 82° at Oaks, Georgetown County, on the 18th. The warmest period was generally between the 15th and 27th. The lowest temperature was 27° at Saluda, Saluda County, on the 29th. The coldest periods of the month were between the 11th and 13th and on the 28th, 29th, and 30th, when spring frosts were most frequent.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 76%; 8 p. m., 66%. The highest percentages occurred over the eastern counties, and the lowest, over the Piedmont.

PRECIPITATION.

The average for the Section, 55 stations reporting, was 2.86 inches, or 0.96 inch below the established normal. The precipitation was well distributed and was confined principally to the first two weeks, while there was a long dry period between the 18th and 26th. The monthly amounts were generally below normal, except in the extreme northwestern counties and a small area of Charleston County, where the measurements ranged from 4 to nearly 7 inches; in an extensive area extending from the middle Savannah River to the Catawba basin, the monthly amounts were less than 2 inches. The greatest local monthly amount was 6.99 inches at Walhalla, Oconee County, and the least was 1.10 inches at Meriwether, McCormick County with 1.11 inches at Columbia. The greatest amount in any 24 hours was 2.20 inches at Clemson College, Oconee County, on the 8th. The number of rainy days averaged 14% below normal.

Snow flurries occurred at Newberry, Newberry County, on the 2d.

A small tornado appeared near Clifton's Mill, about 4 miles from Hampton, Hampton County, about midnight, March 5-6, damaging several houses and killing a few hogs and chickens, but with no loss of human lives. The path of the storm was about 60 feet wide, and the disturbance seems to have spent its force in the above vicinity.

A severe storm having the characteristics of a tornado appeared in northwestern Chester County, to the westward of Cornwell and Chester, about 5:30 p. m., March 5, and moved eastward to near Richburg, a distance of about 20 miles, in a path about 600 yards wide. Its progress was attended by injury to one person and a property loss of about $5,500.

WIND.

The prevailing wind was from the northeast. The average hourly velocity, determined from 8 anemometer records, was 9.5 miles. The highest average velocity was 12.2 miles per hour at Savannah, Ga., and in the Section proper, 11.7 miles per hour at Charleston; the lowest average was 7.0 miles per hour at Augusta, Ga., and Charlotte, N. C., and in the Section proper, 8.0 miles per hour at Columbia. The highest velocity for any 5-minute period was 50 miles per hour from the east at Asheville, N. C., on the 8th, and in the Section proper, 36 miles per hour from the southwest at Columbia on the 27th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 233.1 hours, or 62% of the possible amount. The average number of clear days was 17; partly cloudy, 7, and cloudy, 7, as against normals of 14, 8, and 9 days, respectively.

RIVER CONDITIONS.

Moderate freshets occurred in the Pee Dee and Santee River Districts incident to wet-soil conditions in the upper watersheds and to moderate rains between the 6th and 9th. With the exception of a short period in February, the Santee River was in flood from mid-December to about the close of March. Unavoidable losses from floods in the Pee Dee District approximated $8,100, and the value of movable property saved by timely warnings was estimated at $20,000. In the Santee District, the unavoidable losses approximated $5,710, and the value of movable property saved was estimated at $95,650.

ERRATA.

JANUARY.—Spartanburg: Mean temperature, page 4, should be 40.0.

MISCELLANEOUS DATA FOR MARCH, 1919.

Stations.	Barometer, sea-level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.16	47.5	71	27	4.23	1.75	11.9	nw.	79	57	63
Augusta, Ga.......	30.13	58.1	77	40	1.90	0.84	7.0	nw.	80	49	66
Charleston, S. C...	30.12	59.5	76	43	4.05	1.97	11.7	n.	73	75	48
Charlotte, N. C...	30.15	52.0	73	34	2.70	1.18	7.0	n.	79	66	56
Columbia, S. C....	30.14	55.7	76	32	1.11	0.60	8.0	n.	76	67	59
Greenville, S. C...	30.12	53.6	74	34	3.58	1.63	9.6	n.	67	63	68
Savannah, Ga.....	30.12	60.6	75	44	3.07	1.42	12.2	e.	76	68	61
Wilmington, N. C.	30.13	55.6	75	38	2.20	0.99	8.7	n.	77	66	57
Means and extremes.....	30.13	55.4	77	27	2.86	1.97	9.5	n.	76	66	62

Climatological Data for March, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.: Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches: Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of days: With precipit on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Eastern Portion.																				
Allendale	Barnwell	186	30	59.1	+1.4	77	†15	40	†29	32	1.48	−2.34	0.45	0	7	15	14	2	w.	R. B. Vance.
Blackville	Barnwell	296	30	59.0	+0.9	80	†17	34	29	37	1.35	−2.34	0.90	0	5	21	4	6	...	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	18	57.2	−1.0	78	†17	31	29	46	3.45	−0.74	1.55	0	10	14	4	13	e.	B. O. Evans.
Charleston	Charleston	48	48	59.5	+2.3	76	31	43	28	27	4.05	+0.33	1.97	0	11	11	3	14	n	U. S. Weather Bureau.
Cheraw	Chesterfield	144	29	56.2	+3.5	78	16	35	29	37	3.43	−0.29	1.46	0	4	...	...	...	...	Roland D. Powe.
Conway	Horry	25	33	56.7	−0.1	79	27	32	25	41	2.99	−0.71	1.51	0	8	16	1	14	ne.	Paul Quattlebaum.
Darlington	Darlington	175	24	56.7	+0.4	78	†17	33	†13	41	2.01	−1.30	0.75	0	6	21	10	0	...	D. C. McCall.
Edisto ††	Bamberg	143	31	...	...	...	...	...	...	...	2.65	−1.41	1.11	0	10	...	...	...	...	Nathan Jenkins
Effingham	Florence	106	26	...	...	...	...	...	...	...	2.87	−1.20	1.26	0	8	...	...	...	...	Wm. B. Gillespie.
Ferguson	Orangeburg	63	33	56.8	+0.5	75	30	34	29	39	3.14	−0.25	1.20	0	10	14	10	7	ne.	Henry C. Savage.
Florence 1	Florence	136	30	58.6	+2.8	78	†14	36	†13	42	2.73	−0.22	1.04	0	6	16	10	5	ne.	H. K. Gilbert.
Florence 2	do	136	4	...	...	...	...	...	...	...	3.55	+0.00	1.00	0	7	17	12	2	nw.	Pee Dee Experiment Sta.
Garnett	Hampton	82	1	60.6		78	† 5	35	29	43	2.79	...	1.45	0	8	12	12	7	se.	M[illegible]r B. Robert.
Georgetown	Georgetown	12	24	59.1	+1.2	78	†17	37	13	37	2.42	−1.03	0.90	0	6	19	6	6	n.	A. P. Hazard.
Kingstree	Williamsburg	54	30	58.4	+1.1	78	†16	36	12	41	2.43	−1.02	1.30	0	5	18	4	9	n.	W. H. Matthews.
Oaks	Georgetown	...	4	^{d}58.5	...	^{d}82	18	^{d}35	13	^{d}44	2.68	...	1.32	0	12	17	7	7	s.	O. M. Mitchell.
Orangeburg	Orangeburg	264	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	U. S. Fisheries Station.
Paris Island	Beaufort	13	1	63.0	+4.2	78	27	47	12	30	3.62	+0.11	1.00	0	7	16	11	4	ne.	U. S. Marine Corps.
Pinopolis **	Berkeley	54	69	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Miss E. P. Ravenel
Rimini	Clarendon	97	5	...	...	...	...	...	...	...	2.62	...	0.86	0	8	...	...	...	...	William B. Wolfe.
St. George	Dorchester	109	30	...	...	...	...	...	...	...	2.47	−1.06	1.60	0	8	22	2	7	ne.	Miss Una T. Whiteside.
St. Matthews	Calhoun	62	23	58.1	+2.0	77	†16	35	28	38	2.34	−1.18	1.15	0	6	17	9	5	sw.	J. S. Wannamaker.
Society Hill	Darlington	192	27	54.1	−1.1	77	†16	32	†13	42	1.64	−1.72	0.72	0	6	17	7	7	ne.	A. H. Rogers.
Summerville	Dorchester	75	21	59.0	+0.3	77	30	34	19	43	2.99	−0.44	1.03	0	11	11	17	3	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	16	60.7	−0.1	80	†28	39	24	39	3.14	−0.72	1.03	0	8	27	0	4	...	J. N. Frank.
Yemassee	Hampton	24	23	59.8	+1.6	78	14	33	29	44	2.72	−0.85	1.00	0	5	17	2	12	e.	W. C. Lutson.
Division means and	extremes	...	...	58.5	+1.3	^{d}82	18	31	29	44	2.73	−0.88	1.97	0	7	17	7	7	ne.	
Western Portion.																				
Aiken	Aiken	527	58	59.5	+3.3	78	25	33	28	39	2.11	−1.90	0.91	0	6	22	2	7	nw.	Frank B. McCoy.
Anderson	Anderson	764	23	54.2	−0.2	80	25	31	†28	41	3.27	−1.76	1.45	0	10	19	0	12	e.	H. B. Russell
Batesburg	Lexington	656	30	56.8	+1.7	76	25	32	28	35	3.25	−1.34	0.92	0	8	12	9	10	se.	E. [illegible]. Hite.
Blairs	Fairfield	293	16	...	...	...	...	...	...	...	2.15	−1.42	1.06	0	5	...	...	...	...	[illegible] N. Owens.
Calhoun Falls	Abbeville	508	26	54.6	...	79	21	30	†29	43	2.97	−1.85	1.03	0	5	15	5	11	ne.	L. M. Parker.
Camden	Kershaw	222	59	...	...	^{f}80	25	^{j}36	29	...	2.38	−1.41	0.80	0	7	16	5	10	ne.	W. C. Brown.
Catawba	York	562	15	...	...	...	...	...	...	...	2.40	−1.73	0.92	0	7	...	...	...	...	James C. Faris.
Chappells	Newberry	402	15	...	...	...	...	...	...	...	3.01	−0.55	1.33	0	6	...	...	...	...	[illegible]. J. Murran.
Clemson College	Oconee	850	27	51.8	−0.8	72	23	30	28	40	5.06	+0.22	2.20	0	6	21	0	10	e.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	32	56.8	+2.8	76	16	37	29	32	1.11	−2.59	0.60	0	7	12	7	12	n.	U. S. Weather Bureau.
Edgefield	Edgefield	...	5	...	...	...	...	...	...	...	2.66	...	0.85	0	8	...	...	...	...	J. A. Townsend.
Gaston Shoals ††	Cherokee	680	6	...	...	...	...	...	...	...	4.94	+0.23	2.00	0	8	...	...	...	...	S. C. Lt., Power & Ry. Co.
Greenville	Greenville	1039	26	53.6	+3.6	74	21	34	28	30	3.58	−1.92	1.63	0	10	14	8	9	n.	U. S. Weather Bureau.
Greenwood	Greenwood	671	30	54.9	+1.7	76	25	32	28	35	2.52	−1.55	1.26	0	5	17	0	14	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	18	56.2	+2.1	75	22	33	12	38	2.07	−1.60	0.87	0	5	8	13	10	ne.	J. Marvin Bowers.
Kershaw	Kershaw	500	3	5.50	...	76	16	33	28	40	2.54	...	0.70	0	5	25	0	6	e.	John W. Hamel.
Landrum	Spartanburg	1063	4	52.8	...	77	21	28	12	39	5.57	...	1.57	0	10	17	5	9	...	R. Hartwell Wilds, D.D.S.
Laurens	Laurens	589	1	52.9	...	76	†25	30	†23	42	2.14	...	1.48	0	3	21	0	10	ne.	Perry A. Simpson.
Liberty	Pickens	900	20	55.2	+2.1	78	20	32	11	43	3.79	−1.62	2.04	0	8	16	10	5	e.	John T. Boggs.
Little Mountain	Newberry	711	26	55.9	−0.2	79	31	34	†28	39	1.70	−2.17	0.80	0	3	24	4	7	n.	J. M. Sease, M. D.
Meriwether	McCormick	450	16	54.0	−2.8	80	25	30	28	43	1.10	−3.36	1.10	0	1	20	9	2		Mrs. Marie R. Middleton.
Monetta	Saluda	400	12	^{1}57.2	+1.4	78	25	^{1}33	28	^{1}38	2.63	−1.24	0.94	0	8	11	16	4	ne.	Joseph M. Johnson.
Newberry	Newberry	502	16	55.8	+0.6	78	25	32	29	44	2.24	−1.61	0.85	T.	8	16	4	11	ne.	Warren G. Peterson.
Pelzer	Anderson	850	15	...	...	...	...	...	...	...	3.40	−1.40	1.40	0	8	...	...	...	...	Joshua Y. Jones.
Saluda	Saluda	536	18	55.6	−1.6	78	†9	27	29	49	2.37	−1.69	0.73	0	8	17	7	4	w.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	26	51.0	+0.4	78	21	31	29	44	2.93	−1.53	1.50	0	8	18	7	6	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	36	53.6	+2.3	78	25	32	†12	43	3.39	−1.56	1.65	0	6	...	...	...	...	F. P. Robinson.
Trenton	Edgefield	620	30	^{1}56.3	−0.3	^{1}78	†21	^{1}35	28	^{1}38	1.84	−2.39	0.82	0	4	...	...	...	e.	Mrs. S. E. Long.
Walhalla	Oconee	1061	16	52.7	+1.3	76	†21	29	12	43	6.99	+0.97	2.07	0	10	14	8	9	se.	H. W. Brandt.
White Oak	Fairfield	548	3	^{d}56.8	+3.3	^{c}75	† 5	^{d}34	28	^{d}39	1.90	−2.19	0.70	0	9	19	5	7	n.	T. G. Patrick & Co.
Winthrop College ‡‡	York	690	19	55.4	+1.5	76	† 6	33	†19	40	3.80	−0.15	1.45	0	5	15	9	7	s.	W. P. Goodman.
Division means and	extremes	...	...	55.0	−0.7	80	†21	27	29	49	2.96	−1.41	2.20	T.	7	17	6	8	ne.	
Section means and	extremes	...	...	56.5	+1.7	^{d}82	18	17	29	49	2.86	+0.96	2.20	T.	7	17	7	7	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Blacksburg; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for March, 1919.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ||||	Savannah			.30			.25			.45						.07			.15								.08	.18					1.48
Blackville ||||	Edisto		.20				.90									.10	.10												.05				1.35
Bowman	do	.15	.48	.30		.29	.04		.46	1.55		.03				.07												.08					3.45
Charleston ***	Coast		1.07			.01	.23	.01	.67	1.30		T.			.06	.30	T.	T.	.35								.03	.02					4.05
Cheraw ||||	Pee Dee	1.46					.71			.73																			.53				3.43
Conway ||||	Waccamaw	.04		.33			.33	.39	T.	1.51	.05				T.			.25										.09					2.99
Darlington ||||	Pee Dee	.10					.75	.08		.74						T.	.04											T.	.30				2.01
Edisto ||||	Edisto	.37		.30			.17	.24		1.11						.09	.05	.03										.24	.05				2.65
Effingham ||||	Lynches	.22		.17			.94	.12	.96	.30																		.05	.11				2.87
Ferguson ||||	Santee	.50	.14	.20		T.	.52	.08	.02	1.20		T.				.06	.02		T.									.40	T.				3.14
Florence 1 ||||	Pee Dee		.07				1.04			.41	.69					.02												.50					2.73
Florence 2 ||||	do		1.00				.35		1.00	.45	.32																	.30		.13			3.55
Garnett	Savannah		.49				.47		.05	1.45		T.				.17	.01		.02									.13					2.79
Georgetown	Coast		.60	.30			.20	.22	.20	.90																		T.					2.42
Kingstree ||||	Black			.29			.45			1.30																		.17	.22				2.43
Oaks	do	.01	.21	.11			.14	.08	.18	1.32		.01					.01	.01	.15								T.	.45					2.68
Orangeburg	Edisto																																
Paris Island	Coast		.60	.50				.15	.52	1.00									.65									.20					3.62
Pinopolis	Cooper																																
Rimini ||||	Santee			.36			.75	.33		.80	.05	.05				.07												.21					2.62
St. George ||||	Edisto		.30			.40	.20		.30	1.00						.07											.11	.09					2.47
St. Matthews ||||	Santee			.21			1.15	.10								.50	.08											.30					2.34
Society Hill ||||	do						.47	.05		.72							.02											.36	.02				1.64
Summerville	Ashley	.08	.60	.06			.47	.06	.23	1.03		.03			.05	.15												.23					2.99
Walterboro	Ashepoo	.25	.46			.30	.25				1.03					.15	.25											.45					3.14
Yemassee ||||	do		.79				.54			1.00						.10	.29		T.									T.					2.72
Western Portion.																																	
Aiken	Edisto	.10					.91		.15	.53		.09																.33					2.11
Anderson	Savannah	.53	.16			.57			.48	.97						.05	.05	.23	.03									.20					3.27
Batesburg ||||	Edisto	.92					.57	.19		.85		.09					.11		.23									.27					3.23
Blairs ||||	Broad	.09					.83			1.06							.06											.11					2.15
Calhoun Falls ||||	Savannah	.10	T.				.35			1.03						T.			1.30									.19					2.97
Camden ||||	Wateree	.60					.80			.67							.04		.03									.16	.08				2.38
Catawba ||||	Catawba	.14		.06			.75			.92							.05											.33	.15				2.40
Chappells ||||	Saluda	.27					1.10			1.33							.03		.08									.20					3.01
Clemson College	Savannah		.39			1.35			2.20							.20		.19									.73						5.06
Columbia ***	Congaree	.02	.01			.60	T		.32	.05		T.				.02	T.	T.									T.	.09					1.11
Edgefield ||||	Savannah	.85		.05			.75		.40	.40		.05					.08											.18					2.66
Gaston Shoals ||||	Broad	.78		.12			1.34			2.00					.02		.24											.35	.09				4.94
Greenville ***	Saluda		.19	.01		.99		T.	1.44	.19						.19	.05	.09									.06	.37					3.58
Greenwood ||||	do	.42					.51			1.26							.05											.25					2.52
Heath Spring	Wateree		.10			.67			.87							.03												.40					2.07
Kershaw ||||	Lynches					.65	.04		.25										.70									.40					2.54
Landrum	Broad	.49	.12	.04		1.57			.49	1.46						.21	.47	.10										.62					5.57
Laurens ||||	Saluda					.55			1.48									.11															2.14
Liberty	Savannah		.04			.45			2.04							.04	.08	.25									.04	.85					3.79
Little Mountain	Saluda					.60			.30	.80						T.											T.						1.70
Meriwether	Savannah					T.			1.10										T.														1.10
Monetta	Edisto	.94					.60		.16	.64						.06	T.	.01	.02									.20					2.63
Newberry	Saluda	.08	T.			.54	.08		.32	.85						.09	.02	T.										.26					2.24
Pelzer ||||	do	.86		.14			.68			1.40							.12		.12									.04	.04				3.40
Saluda	do	.31				.52	.30		.30	.73						.07		.07										.07					2.37
Santuck	Broad	.08	.02			.81			.46	1.04						.10	.05											.37					2.93
Spartanburg ||||	do			.20		.52	.25			1.65						.19			T.									.58					3.89
Trenton	Edisto					.60			.82		.04			.38														T.					1.84
Walhalla	Savannah	.86	.03	.01	T.	1.92			.48	2.07						.28	.18	.31										.85					6.99
White Oak	Broad	.10	T.	.05		.60	.15		.03	.70						.04	.01	T.	T.									.22					1.90
Winthrop College	Catawba		.45			1.45				1.10						.10												.70					3.80

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR MARCH.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	51.4	82	23	1.85	7				
1888	52.1	80	19	6.71	9				sw.
1889	51.6	77	20	3.41	7				w.
1890	52.5	85	11	2.96					sw.
1891	50.0	78	20	7.88					ne.
1892	52.8	78	23	3.78					nw
1893	53.9	85	18	2.22	9	13	9	9	sw.
1894	59.3	90	15	2.08	7	15	11	5	sw.
1895	53.5	90	21	5.71	11	12	8	11	sw.
1896	53.1	93	19	2.12	5	14	10	7	sw.
1897	56.4	92	21	4.54	12	7	9	15	sw.
1898	59.1	92	22	2.99	7	11	9	11	ne.
1899	55.2	89	12	3.89	9	12	10	9	sw.
1900	51.6	79	22	4.22	9	12	8	11	sw.
1901	53.4	86	10	4.36	8	14	8	9	sw.
1902	54.0	86	19	4.08	10	14	7	10	sw.
1903	60.4	84	26	5.92	10	7	9	15	ne.
1904	56.2	87	23	3.42	9	13	9	9	ne.
1905	57.8	93	28	2.15	6	15	6	10	ne.
1906	51.6	82	18	5.34	10	13	6	12	w.
1907	62.0	99	20	1.57	5	15	10	6	sw.
1908	61.4	90	29	4.56	8	15	8	8	sw.
1909	54.1	90	27	4.80	11	14	8	9	sw.
1910	59.4	93	22	1.38	4	21	6	4	sw.
1911	54.9	90	22	2.30	7	17	8	6	w.
1912	53.2	88	15	6.79	10	14	5	12	ne.
1913	56.9	88	22	7.40	10	13	5	13	w.
1914	50.2	91	12	2.50	8	14	9	8	w.
1915	46.3	81	22	2.66	7	15	8	8	nw
1916	53.7	87	15	2.14	5	19	8	4	sw.
1917	55.0	88	14	5.39	11	14	6	11	sw.
1918	59.7	89	29	1.83	6	16	8	7	sw.
1919	55.5	82	27	2.86	7	17	7	7	ne.
Period	54.8	99	10	3.82	8	14	8	9	sw.

Daily Temperatures for March, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	65	62	69	65	72	62	62	68	65	71	64	67	63	72	77	72	75	76	70	67	68	72	74	66	74	76	70	70	63	66	67	69.4
	Minimum	50	51	49	45	54	45	51	51	53	45	48	42	43	51	57	53	54	58	42	43	50	51	44	43	42	52	62	48	40	40	55	48.8
Blackville §	Maximum	71	70	72	75	78	67	69	60	65	68	66	69	70	65	60	60	80	80	75	70	70	80	78	80	82	74	75	71	65	69	76	71.3
	Minimum	37	50	48	42	52	55	49	38	43	49	48	50	48	45	38	40	60	56	68	39	41	50	41	44	42	49	51	61	34	36	48	46.8
Bowman	Maximum	72	64	61	73	72	65	60	65	71	68	67	66	70	75	70	75	78	72	67	70	75	76	73	77	78	66	75	64	68	77	76	70.5
	Minimum	55	52	45	44	48	47	45	47	48	42	43	36	40	46	47	48	55	54	38	39	40	39	40	39	40	45	55	35	31	34	40	43.8
Charleston	Maximum	68	59	57	64	71	71	58	65	76	62	63	55	66	68	62	68	73	73	64	66	72	69	62	67	64	68	76	63	66	76	76	66.7
	Minimum	55	57	51	51	56	58	50	54	58	51	52	47	48	58	56	60	62	55	46	48	54	54	48	48	52	55	51	43	44	50	49	52.3
Cheraw §§	Maximum	58	57	68	74	52	61	56	69	60	65	60	68	74	51	76	78	67	62	65	62	70	65	74	74	72	71	57	66	72	70	62	65.7
	Minimum	55	50	45	43	50	48	46	47	51	44	48	41	42	51	45	49	54	55	40	43	49	54	42	45	44	50	50	37	35	42	49	46.6
Conway §§	Maximum	70	58	57	70	75	62	60	66	76	60	66	61	70	72	69	73	75	73	63	65	74	70	66	73	70	74	79	62	65	75	71	68.4
	Minimum	52	53	47	39	42	57	45	45	50	45	46	38	36	45	49	49	55	61	40	40	47	49	40	41	32	44	51	38	35	38	47	45.0
Darlington §§	Maximum	70	56	56	70	77	54	63	65	72	65	69	64	71	77	60	78	78	72	65	68	77	71	68	77	77	76	75	61	62	77	69	69.0
	Minimum	51	49	44	39	46	53	43	44	47	44	44	38	33	46	45	45	55	60	38	45	50	47	39	41	36	44	54	35	33	40	48	44.4
Ferguson §§	Maximum	68	66	61	68	71	61	62	73	68	61	61	60	67	73	72	71	69	68	64	63	73	72	71	72	74	68	70	59	67	75	72	67.7
	Minimum	56	50	48	43	49	59	47	49	50	47	46	42	36	51	51	51	53	61	43	40	50	44	40	38	38	43	51	39	34	36	42	46.0
Florence 1 §§	Maximum	71	55	55	73	76	56	67	73	75	68	67	67	73	78	59	78	78	71	64	69	77	69	69	77	78	76	75	76	76	78	71	70.8
	Minimum	59	53	45	41	50	55	44	45	49	43	45	38	36	45	46	46	56	60	40	45	50	52	41	44	40	46	55	36	36	42	51	46.3
Garnett	Maximum	66	63	65	74	78	71	67	61	75	68	70	66	73	78	66	78	78	73	68	67	76	75	68	76	78	75	75	66	68	78	76	71.5
	Minimum	57	57	51	47	52	59	53	54	59	46	48	45	44	53	59	56	58	60	43	41	52	45	44	38	42	53	59	38	35	37	56	49.7
Georgetown	Maximum	72	68	57	70	73	68	63	62	75	62	66	58	70	72	68	76	78	73	63	68	75	71	67	75	70	75	78	67	65	75	78	69.6
	Minimum	61	54	49	44	49	61	47	48	52	49	47	40	37	52	52	52	58	61	42	40	52	52	44	42	43	46	63	42	38	41	50	48.6
Kingstree §§	Maximum	64	56	71	76	70	64	54	75	66	66	63	71	75	67	77	78	75	63	67	75	70	65	73	75	76	77	61	67	78	73	75	69.8
	Minimum	59	53	47	42	50	55	45	48	51	46	46	36	37	50	49	52	57	61	41	45	53	50	42	40	40	45	55	38	37	38	47	46.9
Oaks	Maximum	73	60	58	76	80	70	68	55	78	67	67	....	73	78	72	....	....	82	68	....	78	72	68	78	78	78	8	60	68	78	75	[d]71.8
	Minimum	52	52	48	38	47	55	47	47	50	46	46	....	35	48	50	....	....	52	40	....	40	40	56	40	38	44	54	36	36	38	45	[d]45.2
Orangeburg §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Paris Island §§	Maximum	64	65	63	71	70	72	73	72	71	75	65	59	72	73	75	76	76	74	69	65	72	74	72	70	69	72	78	64	68	71	69	70.3
	Minimum	57	50	52	48	56	55	54	55	56	56	50	47	48	55	54	65	69	63	52	51	61	60	62	59	59	60	66	48	49	51	56	55.6
St. George §§	Maximum	70	72	69	78	75	70	....	....	79	72	70	....	76	....	....	75	75	67	67	79	77	....	75	79	73	....	....	....	....	77	76	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
St. Matthews §§	Maximum	69	59	70	71	77	59	61	67	72	59	66	62	73	74	72	77	77	74	67	67	75	74	65	77	77	73	73	64	70	80	76	70.2
	Minimum	57	53	47	43	44	58	47	49	52	45	46	40	37	49	48	45	48	58	39	42	48	50	40	41	41	48	61	35	36	43	53	46.5
Society Hill §§	Maximum	....	55	57	68	75	52	60	66	73	61	65	62	71	75	57	77	77	69	63	67	75	68	62	74	75	75	75	60	66	77	66	[a]64.1
	Minimum	49	47	44	....	48	49	43	43	47	43	43	37	32	47	43	44	55	59	37	44	49	49	38	43	37	44	57	33	32	42	46	[a]44.1
Summerville	Maximum	68	63	61	72	72	68	65	56	76	69	65	63	70	74	66	75	76	74	66	68	75	72	65	74	74	72	74	64	67	77	76	69.6
	Minimum	57	54	50	47	49	60	50	50	55	48	47	39	41	53	56	54	57	60	40	41	51	48	42	40	42	42	61	36	34	46	54	48.3
Walterboro	Maximum	62	69	68	70	66	67	64	65	76	65	65	68	72	75	76	77	77	77	70	71	72	77	67	77	75	74	63	80	79	80	78	71.7
	Minimum	50	51	50	57	42	43	46	48	58	47	40	49	51	60	59	59	60	57	41	59	52	57	42	39	40	41	41	43	53	54	53	49.7
Yemassee §§	Maximum	68	68	64	72	77	67	66	65	74	66	67	66	71	78	62	77	76	73	67	67	76	73	67	74	75	73	74	65	67	77	76	70.6
	Minimum	43	55	50	44	55	58	63	62	53	45	48	42	41	53	60	55	67	58	39	40	52	46	42	38	40	51	63	35	33	40	52	49.1
Western Portion.																																	
Aiken	Maximum	65	65	61	69	76	74	64	64	69	64	66	65	71	77	73	77	78	74	68	66	73	74	71	75	78	75	69	64	67	77	73	70.4
	Minimum	53	52	47	44	53	54	50	49	52	43	47	39	43	53	48	49	57	52	47	44	50	55	54	44	45	53	60	33	38	43	51	48.6
Anderson	Maximum	65	51	63	61	70	58	67	51	65	58	68	65	67	75	61	60	70	66	71	70	79	71	70	73	80	79	67	64	76	70	71	67.1
	Minimum	39	43	43	42	43	44	43	43	44	39	43	34	40	48	40	40	48	44	34	43	44	49	37	59	43	51	42	31	31	41	37	41.4
Batesburg §§	Maximum	65	60	64	68	74	60	63	59	65	60	64	60	68	73	68	74	74	66	73	65	74	73	70	73	76	72	70	63	65	74	70	67.8
	Minimum	51	50	49	42	56	50	46	46	49	43	45	39	40	50	45	46	56	54	38	41	46	46	41	43	43	42	60	32	36	47	46	45.7
Calhoun Falls §§	Maximum	67	54	66	65	75	66	71	53	61	58	66	65	69	75	66	66	72	68	72	71	79	76	70	78	79	77	66	63	70	73	60	68.3
	Minimum	44	44	44	44	44	46	45	45	45	41	41	34	38	42	44	43	44	45	53	35	45	47	35	37	39	39	52	32	30	30	42	40.9
Camden §§	Maximum	70	62	62	69	68	....	68	63	72	....	....	....	71	77	56	79	78	73	67	70	....	75	....	78	80	77	73	62	63	77	72	....
	Minimum	55	....	47	52	52	53	48	47	55	....	....	....	....	44	46	54	55	54	42	49	49	50	....	....	43	46	48	....	36	....	....	....
Clemson College	Maximum	58	60	61	57	58	60	62	63	61	60	58	68	69	69	67	67	66	60	70	71	70	71	72	70	70	70	70	60	68	68	68	65.2
	Minimum	40	41	43	45	42	43	45	41	40	41	43	31	32	33	43	43	52	49	33	34	34	35	36	35	36	36	31	30	32	43	33	38.5
Columbia	Maximum	68	58	57	68	76	61	61	55	69	60	65	62	69	75	61	76	76	67	62	65	74	70	63	74	76	72	71	59	66	77	70	67.1
	Minimum	56	46	46	43	53	49	46	47	52	44	47	40	42	53	46	50	59	48	39	45	50	52	44	43	46	52	46	38	37	45	38	46.5
Greenville	Maximum	64	51	62	58	59	51	62	51	62	60	59	62	63	68	51	53	70	64	68	68	74	70	67	74	74	71	62	55	63	72	61	63.0
	Minimum	43	44	43	43	46	43	44	44	44	41	45	39	43	51	41	41	51	47	38	48	50	54	46	44	48	54	42	33	41	45	35	44.2
Greenwood §§	Maximum	65	59	60	62	74	59	65	61	62	59	64	62	67	73	65	65	73	65	67	69	74	72	68	74	76	75	66	60	65	74	70	66.8
	Minimum	46	47	42	40	44	48	47	43	48	40	45	34	40	50	42	41	53	48	36	39	47	46	36	39	42	42	53	32	36	43	44	43.0
Heath Spring	Maximum	67	68	56	67	73	69	71	66	65	66	67	65	66	67	68	71	72	71	70	68	74	75	72	72	74	71	71	69	66	70	71	69.0
	Minimum	53	45	40	38	50	46	49	42	45	40	41	33	38	47	41	41	42	43	36	43	45	48	37	41	44	45	59	34	34	44	50	43.4
Kershaw §§	Maximum	64	55	52	68	75	58	62	55	68	62	65	63	70	72	59	76	75	69	62	64	74	70	65	73	75	74	71	58	64	74	68	66.5
	Minimum	39	43	47	49	50	46	43	44	48	41	42	34	34	46	42	47	55	49	38	45	47	48	39	42	41	46	50	33	34	44	46	43.6
Landrum	Maximum	66	58	62	56	56	56	62	56	69	57	57	61	63	72	62	54	69	62	68	72	77	72	73	75	76	73	64	53	63	74	66	64.6
	Minimum	39	36	42	44	40	41	43	41	42	39	40	28	34	44	40	40	50	48	35	39	44	50	39	41	37	56	46	33	38	44	39	41.0
Laurens §§	Maximum	63	49	61	58	73	58	68	55	69	58	64	61	67	71	49	59	75	66	67	67	74	72	65	72	76	76	69	58	65	75	69	65.5
	Minimum	42	42	44	39	41	46	46	44	45	40	43	32	34	44	42	41	43	46	30	32	41	41	30	32	34	48	56	37	32	36	52	40.3
Liberty	Maximum	65	56	59	58	58	58	66	57	64	64	65	65	66	73	64	57	68	59	73	78	73	72	70	72	76	76	65	62	68	76	67	66.1
	Minimum	50	44	42	44	52	43	45	46	45	44	32	38	56	58	47	44	50	35	42	45	48	42	40	40	40	54	49	33	33	41	46	44.2
Little Mountain	Maximum	65	57	58	63	75	70	60	50	52	60	63	65	70	72	65	74	69	67	68	70	73	70	65	72	78	74	69	59	69	73	79	66.9
	Minimum	40	47	45	36	55	48	45	43	44	40	35	38	42	56	44	44	46	52	49	49	40	50	40	53	46	50	50	34	34	38	55	44.9
Meriwether	Maximum	65	60	65	70	75	72	70	71	71	66	66	67	65	68	70	76	78	79	70	70	72	74	76	75	80	79	70	65	68	79	72	67.9
	Minimum	47	45	45	42	43	42	43	45	46	46	44	47	32	34	38	39	40	46	48	34	35	35	38	35	37	40	48	30	32	34	30	40.1
Monetta	Maximum	65	62	64	68	75	73	64	61	61	61	65	65	69	75	70	76	76	67	65	65	74	72	66	75	78	75	69	61	65	75	71	68.6
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	38	50	46	47	56	52	37	44	47	52	42	43	45	49	57	33	37	45	52	[l]45.9
Newberry	Maximum	57	55	58	62	76	59	63	68	66	60	65	63	71	72	67	71	77	68	66	66	75	72	65	74	78	75	72	61	63	76	72	67.8
	Minimum	50	46	56	50	42	51	46	45	48	41	41	35	37	52	44	44	57	50	33	37	46	50	35	36	39	50	50	33	32	37	49	43.9
Saluda	Maximum	67	57	63	68	75	75	66	58	78	60	66	65	70	74	68	74	76	69	70	68	77	74	67	77	78	75	70	63	68	76	71	69.8
	Minimum	48	44	45	40	45	51	47	44	41	43	44	31	35	47	45	45	56	49	31	32	41	43	30	31	36	50	52	30	27	33	50	41.5
Santuck	Maximum	65	53	62	57	75	56	62	54	65	58	65	62	69	71	61	62	76	66	64	69	78	72	66	73	76	76	68	58	65	75	66	66.0
	Minimum	50	44	44	37	40	47	44	42	45	40	44	34	36	47	40	42	51	50	34	39	46	48	37	38	39	46	46	36	31	41	48	42.1
Spartanburg §§	Maximum	66	65	64	62	64	56	63	63	60	68	62	63	63	59	74	56	72	71	67	71	77	76	68	75	78	65	65	56	65	76	59	66.4
	Minimum	42	42	43	41	42	42	44	43	44	39	44	32	32	33	38	39	54	49	34	40	46	36	40	36	36	36	50	36	33	44	52	40.7
Trenton	Maximum	....	....	....	....	70	....	74	53	62	65	65	63	68	....	....	....	....	....	....	....	78	76	71	78	76	74	68	62	66	74	71	[l]69.3
	Minimum	....	....	....	....	45	....	40	42	50	40	40	39	41	....	....	....	....	....	....	....	42	41	40	47	50	48	50	35	37	46	49	[l]43.3
Walhalla	Maximum	64	59	61	54	54	57	65	56	60	56	65	60	65	69	63	58	64	65	70	71	76	76	71	74	76	72	67	60	67	74	63	64.9
	Minimum	35	40	38	40	42	41	45	45	45	39	42	29	35	47	46	45	55	43	30	33	41	44	33	34	40	50	50	34	32	37	42	40.5
White Oak	Maximum	69	60	58	65	75	58	63	56	67	65	64	62	69	72	60	74	75	70	65	66	74	....	....	....	75	73	70	58	65	74	72	[c]69.6
	Minimum	52	46	43	39	48	47	44	43	42	40	45	35	38	48	42	44	56	52	36	42	47	....	....	....	....	48	52	34	35	43	50	[d]44.1
Winthrop College	Maximum	61	66	60	59	75	76	64	57	68	61	68	63	68	71	64	61	75	70	62	66	75	76	69	65	75	72	70	58	64	74	68	67.1
	Minimum	50	43	42	37	45	44	43	44	42	40	45	35	40	48	38	41	55	53	33	40	45	44	51	54	42	49	50	33	34	44	48	43.6

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

51.05
NSC

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

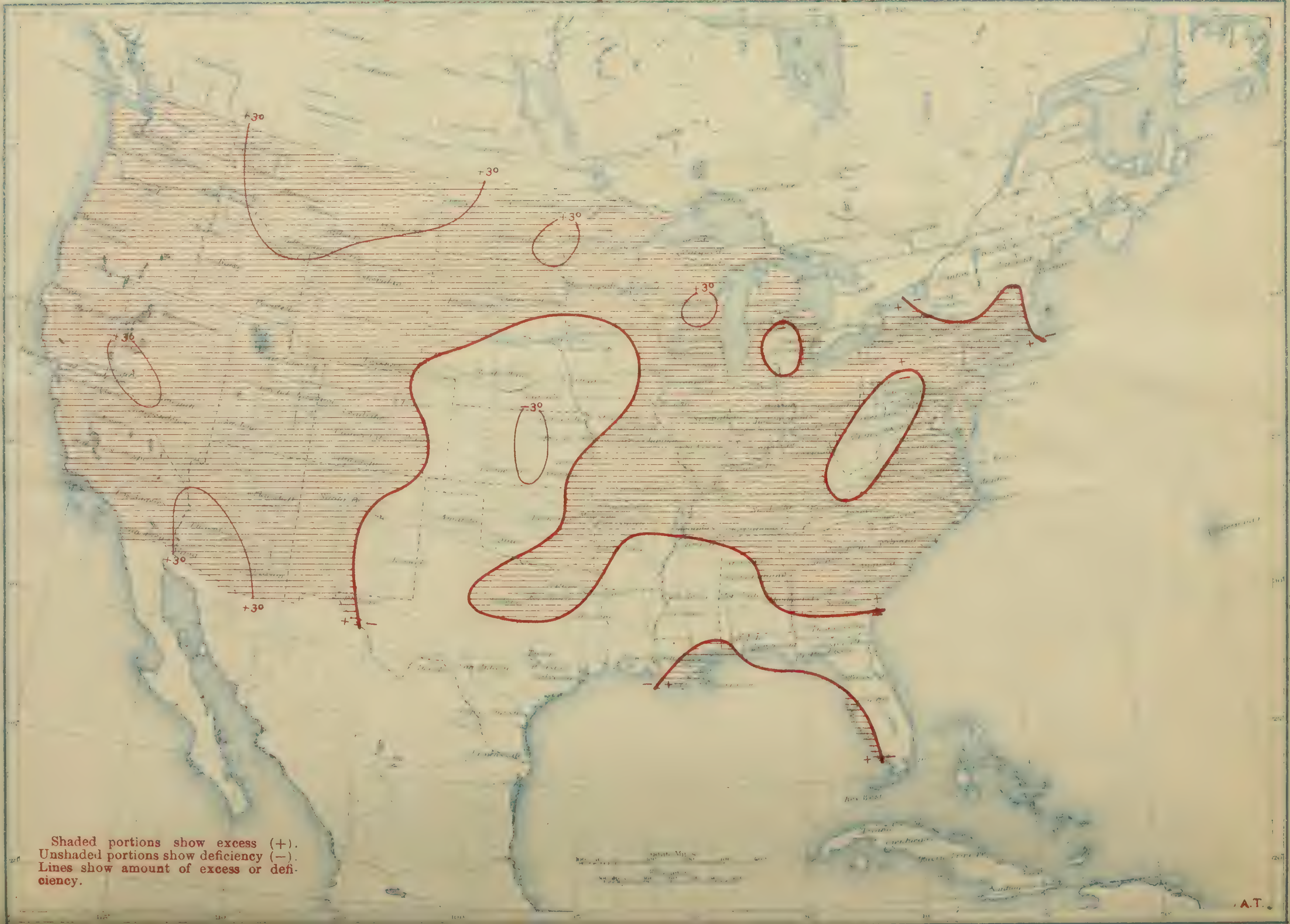
SOUTH CAROLINA SECTION

APRIL, 1919

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
May 27, 1919

Departure of the Mean Temperature from the Normal, April, 1919.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.
RICHARD H. SULLIVAN, Meteorologist.

VOL. XXII. COLUMBIA, S. C., APRIL, 1919 No. 4.

GENERAL SUMMARY.

Temperatures ranged near the seasonal average during the month, except marked cold periods during the first three days and on the 26th and 27th. Precipitation was considerably below normal.

The growing season of 1919 opened with vegetation at about normal seasonal advancement, but farm work was 10 days to two weeks backward on account of wet soil incident to winter rains. The relatively dry weather enabled planters to recover much of the time lost. Cotton planting had progressed northward over the central counties by the 10th, and corn planting had become general throughout the State. Germination of cotton was materially retarded by cold nights, but the early crop had advanced sufficiently by the 15th for chopping to begin as far northward as the central counties. Corn germinated somewhat better than cotton, but the crop appeared to lack vigor and was rather poor in color on account of cold nights. Wheat, oats, and rye maintained good to excellent condition until toward the end of the month, when these crops began to show the effects of lack of rain, especially in the southern counties. This condition was reflected in field truck, gardens, pastures, and other minor crops. The month closed with cultivation and the planting of spring crops progressing favorably. Blackberries and strawberries were blooming in the central counties during the closing week.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 30.06 inches. The highest pressure in the region covered by reports was 30.41 inches at Asheville, N. C., and at Columbia on the 19th; the lowest pressure was 29.64 inches at Asheville, N. C., on the 16th, and in the Section proper, 29.68 inches at Greenville on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 42 stations, was 62.4°, or 0.1° above the established normal. The highest temperature was 92° as follows: At Florence, Florence County, on the 8th; at St. George, Dorchester County, on the 14th, and at Garnett, Hampton County, on the 24th. The warmest periods of the month were from the 8th to 10th, on the 11th and 15th, and during the last week. The lowest temperature was 24° at Saluda, Saluda County, on the 2d. The coldest period of the month was during the first 3 days, when practically all the last spring killing frosts or freezing temperatures occurred in the central and Piedmont counties.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 71%; 8 p. m., 59%. The highest percentages occurred over the northern coastal counties, and the lowest, over the Piedmont.

PRECIPITATION.

The average for the Section, 54 stations reporting, was 2.10 inches, or 0.76 inch below the established normal. While there were 4 distinct periods of showers, the amounts were generally light and insufficient during the latter part of the month. The rainfall reached normal only in a small section of the northeastern counties and the extreme northern parts of Greenville and Spartanburg Counties, where the amounts ranged from 3 to over 4 inches; in the southern half of the State and in a considerable area of the Piedmont counties the measurements ranged from 2 inches downward to less than one-half inch (Colleton County.) The greatest local monthly amount was 4.10 inches at Heath Spring, Lancaster County; least local monthly amount, 0.36 inch at Walterboro, Colleton County. The greatest amount during 24 hours at any station was 1.69 inches at Landrum, Spartanburg County, on the 11th. The number of rainy days averaged 28% below normal.

WIND.

The prevailing wind was from the south. The average hourly velocity, determined from 8 anemometer records, was 8.3 miles. The highest average velocity was 11.8 miles per hour at Savannah, Ga., and in the Section proper, 9.8 miles per hour at Charleston; the lowest average was 5.8 miles per hour at Augusta, Ga., and Charlotte, N. C., and in the Section proper, 7.0 miles per hour at Columbia. The highest velocity for any 5-minute period was 48 miles per hour from the south at Savannah, Ga., on the 11th, and in the Section proper, 33 miles per hour from the southwest at Charleston on the same date and from the west at Greenville on the 17th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 290.8 hours, or 74% of the possible amount. The average number of clear days was 20; partly cloudy, 5, and cloudy, 5, as against normals of 15, 8, and 7 days, respectively.

RIVER CONDITIONS.

All rivers were within their banks during the month, except the Santee, which was somewhat above flood stage at Rimini and Ferguson between the 14th and 20th.

MISCELLANEOUS PHENOMENA (dates).

Frost.—The last spring killing frosts or freezing temperatures occurred as follows: February and March, 6 stations; April 1, 3: 2d, 17; 3d, 12; 4th, 1; 27th, 1.

Hail.—Liberty, 28.

Halos (lunar.)—Greenville and Walhalla, 9. *Solar:* Charleston, 25, 27; Columbia, 3, 10, 27; Greenville, 3, 27, 29; Santuck, 3; Walhalla, 27.

MISCELLANEOUS DATA FOR APRIL, 1919.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.06	54.4	81	25	2.11	0.72	10.0	nw.	69	51	68
Augusta, Ga........	30.05	63.8	88	34	1.92	0.97	5.8	nw.	70	55	79
Charleston, S. C...	30.07	64.4	89	38	0.73	0.51	9.8	s.	69	73	85
Charlotte, N. C...	30.06	60.0	87	28	3.90	1.07	5.8	w.	76	61	69
Columbia, S. C....	30.07	63.6	87	32	2.14	0.86	7.0	s.	69	47	74
Greenville, S. C...	30.03	60.8	85	32	1.89	0.76	8.4	sw.	66	52	74
Savannah, Ga.....	30.07	65.8	89	39	0.55	0.30	11.8	s.	74	66	72
Wilmington, N. C.	30.07	61.6	87	33	3.23	1.20	7.7	sw.	74	67	74
Means and extremes......	30.06	61.8	89	25	2.06	1.20	8.3	s.	71	59	74

Climatological Data for April, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'n 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	30	63.4	−0.9	89	30	33	1	42	1.59	−0.99	0.85	0	3	15	12	4	w.	R. B. Vance.
Blackville	Barnwell	296	30			^{p}89	15	^{p}32	1		2.50	−0.80	1.00	0	4	23	2	5		Mrs. D. B. Sanders.
Bowman	Orangeburg	160	18	62.2	−1.3	90	24	30	† 1	48	1.81	−1.67	0.51	0	6	23	5	2	sw.	B. O. Evans.
Charleston	Charleston	48	48	64.4	+0.6	89	24	38	1	25	0.73	−2.26	0.51	0	3	20	3	7	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	29	61.5	−0.1	90	10	32	4	46	2.33	−0.49	0.80	0	4					Roland D. Powe.
Conway	Horry	25	33	61.6	−1.2	88	† 9	30	2	36	3.06	+0.15	1.26	0	5	21	0	9	nw.	Paul Quattlebaum.
Darlington	Darlington	175	24	62.1	+0.4	90	9	27	2	42	2.52	−0.63	1.00	0	6	25	1	4		D. C. McCall.
Edisto ‡‡	Bamberg	143	31								1.77	−1.85	0.67	0	6					Nathan Jenkins.
Effingham	Florence	106	26								2.10	−1.08	0.67	0	5					Wm. B. Gillespie.
Ferguson	Orangeburg	63	33	60.2	−1.9	83	15	31	3	44	1.85	−0.95	0.55	0	5	20	3	7	n.	Henry C. Savage.
Florence 1	Florence	136	30	64.0	+1.6	92	8	30	2	43	2.35	−0.42	1.08	0	4	21	3	6	sw.	H. K. Gilbert.
Florence 2	do	136	4								1.99	−0.78	0.78	0	5	24	2	4	sw.	Pee Dee Experiment Sta.
Garnett	Hampton	82	1	65.4		92	24	33	2	49	1.10		0.76	0	5	14	12	4	nw.	Maner B. Robert.
Georgetown	Georgetown	12	24	62.0	−1.5	89	†24	34	1	43	1.90	−1.40	0.56	0	6	21	7	2	n.	A. P. Hazard.
Kingstree	Williamsburg	54	30	62.8	−0.3	88	9	30	2	39	1.92	−0.74	0.68	0	5	23	0	7	s.	W. H. Matthews.
Oaks	Georgetown		4			^{a}90	9	†30	2		2.20		1.45	0	8	24	3	3	s.	O. M. Mitchell.
Orangeburg††	Orangeburg	264	3	^{f}63.8		86	†14	31	1	^{f}40	2.05		0.55	0	5					U. S. Fisheries Station.
Paris Island	Beaufort	13	1	^{o}67.4	+2.7	^{o}90	30	^{o}43	† 1	^{o}29	0.63	−1.74	0.31	0	9	15	5	10	nw.	U. S. Marine Corps.
Pinopolis **	Berkeley	54	69																	Miss E. P. Ravenel.
Rimini	Clarendon	97	5								2.25		0.67	0	6					William B. Wolfe.
St. George	Dorchester	109	30	^{j}65.5	+1.5	92	14	^{j}34	3	^{j}41	1.83	−1.03	0.75	0	6	27	0	3	nw	Miss Una T. Whiteside.
St. Matthews	Calhoun	62	23	63.6	+0.6	91	24	30	1	39	2.47	−0.67	0.96	0	5	22	4	4	s.	J. S. Wannamaker.
Society Hill	Darlington	192	27	61.4	−0.4	88	9	26	2	41	3.20	−0.09	1.25	0	5	23	2	5	s.	A. H. Rogers.
Summerville	Dorchester	75	21	63.4	+0.1	88	24	38	27	42	1.08	−2.40	0.33	0	6	12	17	1	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	16	^{a}66.0	+0.8	^{a}89	24	^{a}31	1	^{a}43	0.36	−2.97	0.36	0	1	28	0	2		J. N. Frank.
Yemassee	Hampton	24	23	64.1	+0.3	91	24	30	1	42	1.07	−1.86	0.57	0	2	21	3	6	nw.	W. C. Hutson.
Division means and	extremes			63.4	+0.4	92	†14	26	2	49	1.86	−1.20	1.45	0	5	20	5	5	s.	
Western Portion.																				
Aiken	Aiken	527	58	65.4	+2.5	87	† 9	30	1	42	1.69	−1.43	0.76	0	4	24	1	5	w.	Frank B. McCoy.
Anderson	Anderson	764	23	61.8	+0.5	89	9	27	1	43	1.65	−1.62	0.96	0	3	19	2	9	w.	H. H. Russell.
Batesburg	Lexington	656	30	62.8	+1.4	86	† 9	30	1	33	2.54	−0.55	1.10	0	5	21	3	6	w.	E. J. Hite.
Blairs	Fairfield	293	16								2.40	+0.29	0.81	0	5					J. N. Owens.
Calhoun Falls	Abbeville	508	26	61.8		90	23	29	† 1	44	2.48	−1.10	0.83	0	5	17	8	5	s.	L. M. Parker.
Camden	Kershaw	222	59	^{j}65.1	+2.7	^{j}88	†24	^{j}41	19	^{j}38	2.52	−0.44	0.82	0	5	24	0	6	ne.	W. C. Brown.
Catawba	York	562	15								2.28	−0.12	1.07	0	6					James C. Faris.
Chappells	Newberry	402	15								1.92	−0.28	1.20	0	6					C. J. Murrah.
Clemson College	Oconee	850	27	58.8	−0.6	80	† 8	30	† 1	42	2.22	−1.56	1.20	0	5	26	1	3	e.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	32	63.6	+0.8	87	29	32	1	32	2.14	−0.72	0.86	0	5	18	7	5	s.	U. S. Weather Bureau.
Edgefield	Edgefield		5								2.00		0.70	0	4					J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	6								1.84	−1.38	0.61	0	8					S. C. Lt., Power & Ry. Co.
Greenville	Greenville	1039	26	60.8	+2.5	85	24	32	1	29	1.89	−1.79	0.76	0	5	15	9	6	sw.	U. S. Weather Bureau.
Greenwood	Greenwood	671	30	62.0	+0.9	87	24	29	2	35	2.32	−0.61	1.00	0	5	22	0	8	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	18	62.2	+1.8	86	† 9	29	† 1	46	4.10	+1.17	1.00	0	6	9	13	8	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	3	61.4		88	9	28	2	34	3.15		0.77	0	6	23	1	6	e.	John W. Hamel.
Landrum	Spartanburg	1063	4	60.2		87	8	29	1	42	3.11		1.69	0	6	18	8	4		R. Hartwell Wilds, D.D.S.
Laurens	Laurens	589	1	59.2		86	† 9	29	3	48	3.58		1.12	0	5	24	0	6		Perry A. Simpson.
Liberty	Pickens	900	20	63.2	+2.9	87	†24	28	† 1	49	1.99	−2.64	0.85	0	5	15	12	3	sw.	John T. Boggs.
Little Mountain	Newberry	711	26	^{c}59.7	+2.2	^{c}88	† 9	^{c}38	26	^{c}42	2.55	−0.62	1.27	0	4	24	1	5	s.	J. M. Sease, M. D.
Meriwether	McCormick	450	16	^{a}61.6	−0.9	^{a}90	†14	^{a}26	2	^{a}53	1.61	−1.32	0.80	0	3	19	9	2		Mrs. Marie R. Middleton.
Monetta	Saluda	400	12	63.1	−0.9	87	†24	31	1	44	1.93	−0.70	1.03	0	4	15	13	2	sw.	Joseph M. Johnson.
Newberry	Newberry	502	16	63.1	+1.1	90	†24	28	1	49	2.13	−0.64	0.95	0	5	19	4	7	nw.	Warren G. Peterson.
Pelzer	Anderson	850	15								2.04	−1.50	0.80	0	6					Joshua Y. Jones.
Saluda	Saluda	536	18	62.0	−0.5	90	24	24	2	53	2.21	−0.26	0.85	0	5	24	4	2	s.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	26	61.4	+1.2	90	24	28	1	46	2.13	−1.15	1.39	0	4	16	9	5	nw.	E. W. Jeter.
Spartanburg	Spartanburg	875	36	61.4	+1.2	87	28	29	2	51	1.92	−1.15	1.10	0	7					F. P. Robinson.
Trenton	Edgefield	620	30	^{c}62.4	−0.2	^{c}87	9	^{c}30	† 1	^{c}40	2.30	−1.03	0.93	0	3	22	4	4	sw.	Mrs. S. E. Long.
Walhalla	Oconee	1061	16	60.4	+2.2	86	† 9	28	1	50	2.75	−1.87	1.22	0	5	17	8	5	sw.	H. W. Brandt.
White Oak	Fairfield	548	3			^{i}87	9	^{k}28	2											T. G. Patrick & Co.
Winthrop College ‡‡	York	690	19	61.4	+0.9	87	† 9	28	1	46	1.55	−1.47	1.10	0	2	15	10	5	s.	W. P. Goodman.
Division means and	extremes			61.7	+0.7	90	23	24	2	53	2.30	−0.96	1.69	0	5	21	4	5	sw.	
Section means and	extremes			62.4	+1.4	92	†14	24	2	53	2.10	−0.76	1.69	0	5	20	5	5	s.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Blacksburg; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

ERRATA.

ANNUAL, 1917.—Least annual precipitation, page 99, text, should be 30.97 at Columbia; total precipitation, Columbia, page 101, should be 30.97; annual temperature departures, page 103, Charleston should be −1.1°, Columbia should be −1.2°, Spartanburg should be −1.8°.

JANUARY.—Greatest local monthly amount of precipitation, page 3, text, should be 10.40 at Liberty.

FEBRUARY.—Maximum temperature date, Darlington, page 12, should be 15.

MAY.—Greatest local monthly amount of precipitation, page 35, text, should be 8.28 at Florence No. 2.

AUGUST.—Mean temperature, Columbia, page 60, should be 80.8°.

OCTOBER.—Mean temperature, Florence No. 1, page 76, should be 68.6°; minimum temperature, Landrum, page 76, should be 38°; maximum temperature date, Pinopolis, page 76, should be +3.0°.

NOVEMBER.—Section mean relative humidity at 8 p. m., page 83, text and table, should be 68%; minimum temperature date, Liberty, page 84, should be 13.

Daily Precipitation for April, 1919.

Stations.	Watersheds.	Day of month.																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ‖‖	Savannah					.85						.22	.52																				1.59
Blackville ‖‖	Edisto					1.00						.20	1.00					.30															2.50
Bowman	do				.48							.51					.38							.08						06	.30		1.81
Charleston ***	Coast				.21							.51					T.							T.						.01			0.73
Cheraw ‖‖	Pee Dee					.80							.51					.31													.71		2.33
Conway ‖‖	Waccamaw					.84							.67				.09	.20						T.							1.26		3.06
Darlington ‖‖	Pee Dee					1.00						.05	.42					.45						T.	.10						.50		2.52
Edisto ‖‖	Edisto					.58						.22	.45					.12							.20						.20		1.77
Effingham ‖‖	Lynches					.63							.37					.67							.22						.21		2.10
Ferguson ‖‖	Santee					.43							.55					.41							.06						.40		1.85
Florence 1 ‖‖	Pee Dee					1.08							.37												.28						.62		2.35
Florence 2 ‖‖	do					.78							.45						.18						.13						.45		1.99
Garnett	Savannah				.25	.03						.76					.05														.01		1.10
Georgetown	Coast				.20	.15						.35	.55				.20														.45		1.90
Kingstree ‖‖	Black					.32							.40					.35							.17						.68		1.92
Oaks	do	T.			.31	.19						.09	.05				.01	.03				T.		.07							1.45		2.20
Orangeburg	Edisto					.55						.25	.42					.45													.38		2.05
Paris Island	Coast			.02		.31		.01	.01	.01		.02	.19				.05										.01						0.63
Pinopolis	Cooper																																......
Rimini ‖‖	Santee					.67						.24	.50					.37							.11						.36		2.25
St. George ‖‖	Edisto					.75						.01	.69					.04							.05						.29		1.83
St. Matthews ‖‖	Santee					.96						.15	.70					.26													.40		2.47
Society Hill ‖‖	do					1.25						.05	.37					.56													.97		3.20
Summerville	Ashley				.11	.17						.25	.12				.10							T.						T.	.33		1.08
Walterboro	Ashepoo											.36																					0.36
Yemassee ‖‖	do					.57						T.	.50					T.															1.07
Western Portion.																																	
Aiken	Edisto				.55	.07						.76					.31																1.69
Anderson	Savannah				.30							.96					.39										T.						1.65
Batesburg ‖‖	Edisto					1.10						.32	.69					.39													.04		2.54
Blairs ‖‖	Broad					.65						.40	.81					.14													.40		2.40
Calhoun Falls ‖‖	Savannah					.31					.47	.83					.48	.39															2.48
Camden ‖‖	Wateree					.67						.07	.75					.36						.27							.40		2.52
Catawba ‖‖	Catawba					.77						.45	.62					.12							.22						.10		2.28
Chappells ‖‖	Saluda					.10						.50	.70				.05	.25													.32		1.92
Clemson College	Savannah				.42							.20					1.20									.05				.35			2.22
Columbia ***	Congaree				.86							.49				T.	.33							T.						.07	.39		2.14
Edgefield ‖‖	Savannah					.60						.40	.30					.70															2.00
Gaston Shoals ‖‖	Broad					.25						.35	.61				.10	.18						.03						.07	.25		1.84
Greenville ***	Saluda				.33						T.	.76					.25					T.	T.			T.				.33	.22		1.89
Greenwood ‖‖	do					.42						.50	1.00				.10														.30		2.32
Heath Spring	Wateree				.78							1.00					.60							.51						.86	.35		4.10
Kershaw ‖‖	Lynches					.77						.11	.60					.61							.64						.42		3.15
Landrum	Broad				.32	.10						1.69					.57													.34	.09		3.11
Laurens ‖‖	Saluda				.74							1.12					.60													.40	.72		3.58
Liberty	Savannah				.40						T.	.85					.60							T.		T.				.04	.10		1.99
Little Mountain	Saluda				.82							1.27					.36														.10		2.55
Meriwether	Savannah				.80							.11					.70																1.61
Monetta	Edisto				.67							1.03					.21														.02		1.93
Newberry	Saluda				.50							.95					.37													.01	.30		2.13
Pelzer ‖‖	do					.64						.32	.48				.24	.20													.16		2.04
Saluda	do				.61							.85					.45													.25	.05		2.21
Santuck	Broad				.48			T.				1.39					.07							T.						.19	T.		2.13
Spartanburg ‖‖	do					.30						.38	.72				.07	.20						T.						.10	.15		1.92
Trenton	Edisto				.73							.93					.64														T.		2.30
Walhalla	Savannah				.44			T.			.02	1.20					1.07									T.				T.	.02		2.75
White Oak	Broad				.91	T.						1.20					.50																......
Winthrop College	Catawba				.45							1.10																					1.55

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡Separate dates of falls not recorded. T. Trace, or less than 0.01 inchs

COMPARATIVE DATA FOR APRIL.

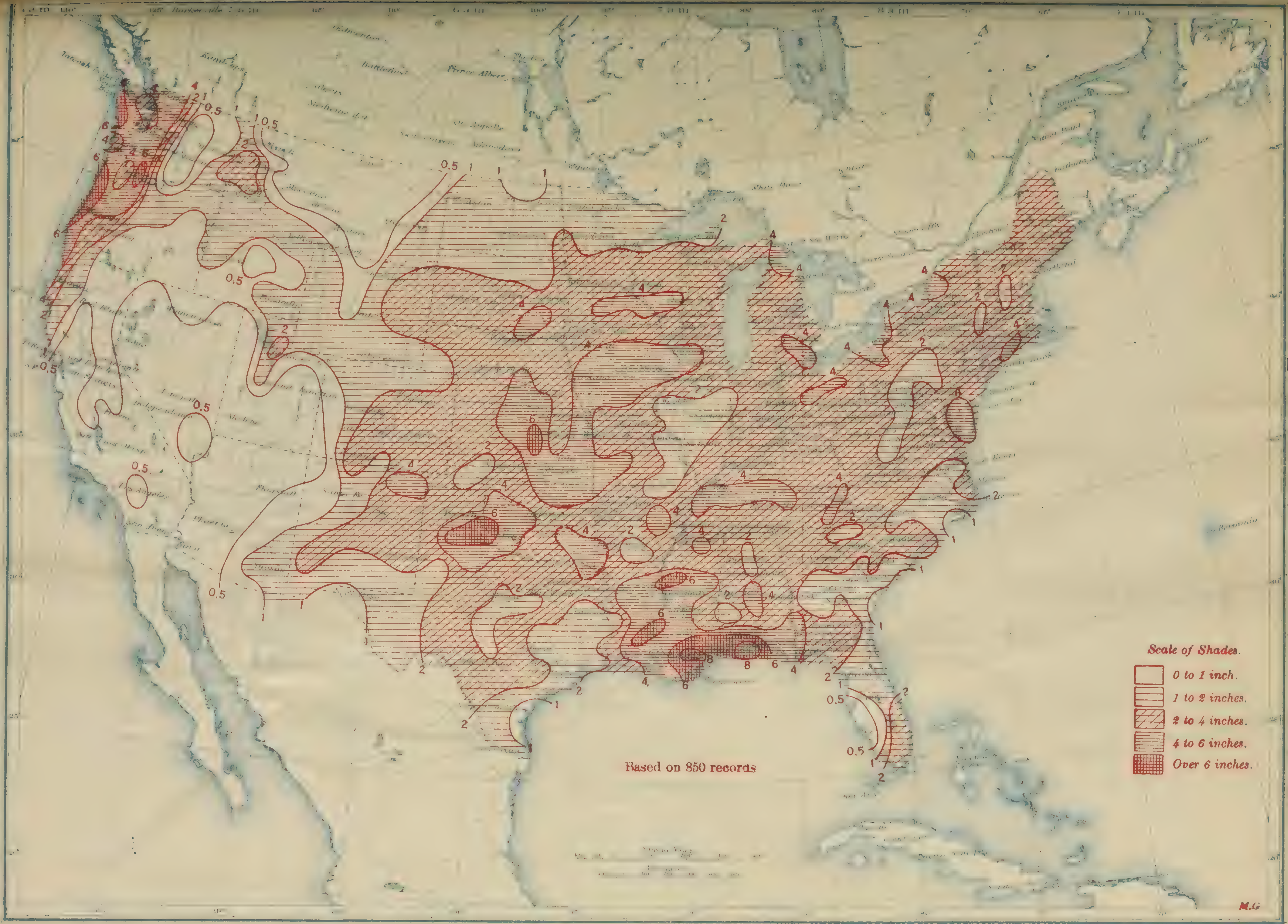
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	62.3	94	28	2.09	5				
1888	64.6	95	31	1.33	4				sw.
1889	62.4	93	30	2.01	6				ne.
1890	62.8	94	31	2.02	6				sw.
1891	63.2	92	26	1.66					sw.
1892	62.8	88	29	1.13					nw.
1893	66.7	94	34	1.30	5	15	10	5	sw.
1894	62.6	95	30	2.01	6	15	10	5	sw.
1895	61.4	94	28	5.55	10	12	9	9	sw.
1896	66.9	98	30	1.31	4	14	11	5	sw.
1897	62.2	95	31	3.24	9	16	6	8	sw.
1898	58.0	92	26	5.05	8	16	7	7	sw.
1899	60.0	91	27	3.02	7	12	9	9	n
1900	62.4	90	24	5.41	9	12	9	9	ne.
1901	56.0	89	30	5.03	7	15	6	9	nw.
1902	60.4	91	24	2.18	7	15	9	6	w.
1903	60.4	88	26	2.95	8	14	9	7	w.
1904	59.2	89	21	1.34	6	14	8	8	sw.
1905	62.8	92	25	3.83	9	15	8	7	sw.
1906	65.1	93	28	1.39	4	20	6	4	sw.
1907	56.4	89	20	4.40	10	10	13	7	sw.
1908	66.6	95	31	4.75	9	11	10	9	sw.
1909	63.9	96	30	2.95	7	14	9	7	sw.
1910	63.4	95	32	1.71	5	15	10	5	sw.
1911	61.6	91	30	2.95	8	12	9	9	ne.
1912	64.3	91	32	4.24	9	14	5	11	sw.
1913	61.2	90	30	2.00	6	20	4	6	sw.
1914	63.7	98	30	2.86	7	14	10	6	w.
1915	63.1	96	25	1.47	4	20	6	4	w.
1916	61.6	93	24	1.79	5	18	8	4	w.
1917	64.9	96	28	3.34	7	20	6	4	sw.
1918	61.0	92	32	5.82	11	11	9	10	sw.
1919	62.4	92	24	2.10	5	20	5	5	s.
Period	62.3	98	20	2.86	7	15	8	7	sw.

Daily Temperatures for April, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	75	60	64	70	67	70	76	77	85	83	79	70	77	84	88	84	77	68	67	77	76	85	77	80	83	73	70	75	85	89	....	76.5
	Minimum	33	36	38	44	54	47	54	51	57	58	58	51	55	57	57	59	50	45	46	42	44	56	52	57	55	50	39	48	53	63	....	50.3
Blackville §	Maximum	....	67	....	....	....	....	....	....	....	87	77	....	81	....	89	83	68	71	71	75	....	88	81	83	84	....	....	....	87	....	....	....
	Minimum	32	38	38	....	49	50	....	57	56	60	....	....	50	56	56	62	49	43	43	....	....	58	58	55	....	....	....	....	54	....	....	....
Bowman	Maximum	65	64	72	63	70	80	80	87	88	80	70	76	85	89	83	80	67	68	67	78	87	78	76	90	80	70	77	84	88	80	....	77.4
	Minimum	30	30	31	45	46	40	46	55	52	54	59	52	47	54	53	62	47	40	40	38	50	51	54	55	50	44	35	40	55	56	....	47.0
Charleston	Maximum	57	55	64	67	70	71	70	74	76	75	69	78	84	76	77	75	71	68	65	69	84	67	72	89	73	68	69	76	84	72	....	72.2
	Minimum	38	41	46	59	55	54	57	61	61	64	61	56	59	61	64	67	55	50	50	50	59	60	60	66	58	52	51	56	64	66	....	56.7
Cheraw §§	Maximum	56	58	72	66	70	78	79	89	90	81	72	76	83	82	84	78	68	69	71	78	83	78	74	88	65	68	76	85	88	65	....	75.7
	Minimum	36	36	33	32	50	45	42	47	50	55	55	65	46	48	52	57	65	48	40	46	41	48	48	51	56	46	39	39	46	56	....	47.3
Conway §§	Maximum	55	60	68	69	70	71	75	78	88	88	71	76	83	74	80	75	74	69	70	73	85	74	72	87	78	68	75	79	85	71	....	74.7
	Minimum	33	30	32	47	51	43	45	51	54	55	64	51	50	51	56	67	54	44	41	41	49	49	48	61	49	43	39	44	55	55	....	48.4
Darlington §§	Maximum	57	63	72	68	70	78	79	88	90	82	71	77	83	83	85	79	61	70	69	77	86	77	73	87	68	70	75	92	87	72	....	76.0
	Minimum	31	27	30	36	48	44	46	56	56	55	62	50	50	52	58	67	50	43	39	40	53	49	50	55	45	38	40	45	69	61	....	48.2
Ferguson §§	Maximum	52	63	68	66	70	77	71	80	79	72	67	70	75	81	83	70	64	64	68	76	75	69	70	81	65	70	75	80	80	73	....	71.8
	Minimum	34	32	31	42	51	43	50	50	54	63	65	49	49	50	57	61	50	44	43	41	40	47	57	58	54	47	41	36	58	64	....	48.7
Florence § §§	Maximum	59	68	73	68	71	79	79	89	92	82	75	78	85	84	86	78	70	70	71	79	84	81	73	88	78	70	80	85	90	73	....	77.9
	Minimum	32	30	33	52	49	46	48	53	57	57	65	51	51	56	56	68	51	45	42	44	51	51	56	56	48	42	44	49	60	61	....	50.1
Garnett	Maximum	66	66	76	70	74	81	79	87	88	83	72	77	87	91	86	81	71	71	73	81	88	81	83	92	75	72	79	86	91	88	....	79.8
	Minimum	33	33	35	50	52	47	52	57	55	56	62	50	50	54	56	65	52	44	44	40	53	60	53	60	60	53	37	46	55	63	...	50.9
Georgetown	Maximum	49	63	69	68	72	71	66	85	84	80	70	68	72	83	80	74	72	72	68	74	81	72	73	89	70	71	73	80	89	72	....	73.7
	Minimum	34	43	43	35	48	45	47	54	53	59	59	53	52	54	58	67	54	45	42	41	54	56	55	62	52	46	40	46	50	63	....	50.4
Kingstree §§	Maximum	57	62	72	69	70	78	78	86	88	81	73	77	84	80	85	78	69	68	69	77	85	77	72	87	75	68	77	83	59	63	....	76.1
	Minimum	33	30	33	51	50	43	47	53	54	57	66	51	51	54	57	58	51	42	42	40	53	53	56	62	52	46	38	44	....	70	....	49.6
Oaks	Maximum	61	63	74	73	72	79	80	88	90	85	75	80	87	78	88	88	73	72	72	78	88	78	75	89	73	70	78	88	86	73	....	[a]78.1
	Minimum	34	30	32	45	52	42	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Orangeburg §§	Maximum	79	69	77	68	76	78	82	85	83	84	74	82	84	86	85	79	....	....	....	81	86	....	74	82	80	70	79	....	....	....	....	[g]79.3
	Minimum	31	33	33	49	48	46	47	46	55	55	61	50	51	52	54	64	46	....	....	....	....	51	....	63	52	45	40	39	....	....	....	[g]48.3
Paris Island §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	77	78	68	70	71	87	73	79	80	72	72	76	82	90	83	....	[o]77.2
	Minimum	43	43	57	62	58	71	65	62	62	62	64	55	....	55	55	68	53	49	47	51	58	63	60	64	60	53	50	55	62	64	....	[a]57.6
St. George §§	Maximum	76	68	75	72	75	80	76	87	89	83	74	76	86	92	82	82	79	73	72	80	87	76	79	90	77	70	80	85	84	80	...	79.5
	Minimum	35	35	34	50	51	45	45	59	51	57	65	...	....	....	....	....	....	....	....	....	....	60	58	68	56	48	40	45	60	65	....	[j]51.5
St. Matthews §§	Maximum	60	67	74	63	71	78	78	87	88	80	70	78	85	87	83	78	68	71	70	78	84	75	77	91	70	72	78	84	90	79	....	77.1
	Minimum	30	31	35	40	50	46	51	53	59	59	60	50	54	58	60	64	49	43	41	43	53	50	57	59	52	43	42	49	57	64	...	50.1
Society Hill §§	Maximum	57	63	71	66	70	75	76	87	88	79	70	76	84	81	83	78	67	67	67	76	85	75	71	87	66	70	76	84	87	68	....	75.0
	Minimum	30	26	30	51	46	43	47	52	56	55	62	46	43	53	58	67	49	42	39	39	49	50	55	57	46	35	41	47	58	60	....	47.7
Summerville	Maximum	62	64	70	68	71	77	76	84	84	78	72	76	84	85	82	75	71	68	68	75	83	75	73	88	84	68	75	80	86	79	....	76.0
	Minimum	35	34	35	49	52	45	50	56	54	57	66	53	53	56	57	66	51	43	42	41	52	57	54	63	54	47	38	45	57	63	...	50.8
Walterboro	Maximum	68	68	71	65	71	78	80	82	80	78	68	78	86	85	86	79	72	71	73	85	86	78	87	89	75	77	....	81	88	86	...	[a]78.3
	Minimum	31	34	32	45	51	42	48	50	49	51	52	52	57	66	65	59	52	44	37	68	65	68	69	65	52	61	...	71	72	45	....	[a]53.6
Yemassee §§	Maximum	65	65	72	70	76	78	79	86	86	80	70	76	86	88	82	79	69	70	72	79	88	78	80	91	74	70	77	82	89	84	....	78.0
	Minimum	30	34	32	50	52	45	52	59	53	54	67	51	49	58	55	65	50	42	44	38	55	58	52	60	55	52	35	42	55	62	....	50.2
Western Portion.																																	
Aiken	Maximum	68	64	72	70	70	79	76	83	87	86	77	75	83	86	85	82	67	66	68	75	84	83	82	87	85	68	75	82	87	36	....	77.9
	Minimum	30	45	42	53	49	49	54	57	60	67	61	47	54	59	73	61	46	40	44	55	71	51	55	60	53	43	43	47	57	62	....	52.9
Anderson	Maximum	61	65	68	58	71	80	73	88	89	79	68	77	83	82	81	72	63	67	69	76	84	78	84	89	73	69	73	82	84	79	....	75.5
	Minimum	27	30	39	48	44	43	51	51	59	59	56	46	52	54	55	54	40	39	40	45	52	54	56	61	46	37	42	52	59	54	..	48.2
Batesburg §§	Maximum	55	62	71	66	69	77	75	84	86	81	74	73	81	85	83	78	68	65	68	74	82	79	82	87	73	67	74	83	86	82	....	75.7
	Minimum	30	33	39	50	48	48	51	51	60	57	58	47	56	56	57	60	46	42	41	44	55	55	54	60	49	40	44	50	59	61	...	50.0
Calhoun Falls §§	Maximum	60	67	71	63	71	81	78	88	88	79	71	78	84	85	83	73	64	69	73	80	88	82	90	84	72	76	77	85	88	82	....	77.7
	Minimum	29	29	30	38	48	48	45	52	53	57	57	46	45	52	57	59	44	38	38	42	44	53	52	53	50	34	34	41	52	58	....	45.9
Camden §§	Maximum	66	65	....	62	73	80	80	83	85	....	....	....	85	86	86	77	67	71	73	80	83	80	77	88	...	....	78	85	88	78	....	[f]78.2
	Minimum	....	....	....	48	....	....	49	52	....	51	60	...	...	58	59	66	....	42	41	42	48	46	56	58	52	....	49	49	57	58	....	[j]52.0
Clemson College	Maximum	56	58	60	60	62	73	73	80	80	79	78	78	78	77	75	75	73	62	69	73	74	74	73	76	75	76	75	69	73	73	....	71.9
	Minimum	30	30	32	33	36	41	43	49	48	54	56	47	47	52	50	51	45	39	40	41	50	59	58	67	45	36	33	35	61	60	....	45.6
Columbia	Maximum	54	62	70	61	69	76	77	86	86	79	70	75	81	84	82	76	64	66	70	77	84	75	79	87	67	67	74	83	87	78	....	74.9
	Minimum	32	35	38	54	48	47	56	58	63	61	56	51	56	60	61	61	50	44	44	47	54	56	58	61	51	44	45	52	60	62	....	52.2
Greenville	Maximum	55	61	64	55	68	75	72	82	83	73	68	73	80	78	77	71	60	63	67	73	80	72	79	87	63	66	70	81	78	74	....	71.5
	Minimum	32	35	44	48	40	46	54	55	60	59	56	50	56	56	58	54	44	40	43	44	55	57	59	59	45	40	45	55	59	55	....	50.0
Greenwood §§	Maximum	57	64	69	65	69	78	74	85	86	77	73	74	80	80	80	74	67	56	67	72	83	80	80	87	81	67	71	81	84	77	....	74.6
	Minimum	44	29	40	52	41	49	53	55	59	58	57	45	53	54	57	59	44	40	39	45	52	54	52	63	47	37	39	50	57	62	....	49.3
Heath Springs	Maximum	70	66	67	67	67	71	71	84	86	83	77	72	77	76	81	70	67	68	67	74	84	81	75	82	81	77	77	80	86	84	....	75.6
	Minimum	29	29	38	45	45	46	46	55	63	55	62	50	54	55	60	61	46	36	37	45	54	51	53	58	45	35	42	50	60	61	....	48.9
Kershaw §§	Maximum	55	61	70	63	68	75	77	85	88	86	70	74	80	82	82	74	64	66	68	76	82	75	74	84	74	66	74	82	87	72	...	74.3
	Minimum	30	28	37	52	44	44	47	53	60	57	63	48	52	54	58	61	47	40	40	42	53	51	55	58	45	33	41	48	57	61	....	48.6
Landrum	Maximum	58	65	68	60	71	76	73	87	86	75	70	73	80	78	80	72	69	67	68	75	84	72	80	84	69	66	71	82	80	70	....	73.6
	Minimum	29	32	38	44	39	41	45	49	52	55	58	49	47	54	49	58	44	44	43	44	42	50	50	57	44	38	44	46	57	58	....	46.7
Laurens §§	Maximum	57	63	70	56	69	78	74	84	86	78	69	74	80	79	82	71	64	64	66	75	82	80	80	81	65	67	82	71	86	79	....	73.7
	Minimum	32	30	29	33	41	41	42	48	48	54	55	43	44	52	54	60	44	36	36	37	46	51	54	58	50	38	34	36	50	61	....	44.7
Liberty	Maximum	59	66	66	62	72	78	75	86	87	79	74	79	83	82	80	75	65	70	72	78	83	78	85	87	77	71	74	86	84	79	...	76.4
	Minimum	28	28	34	50	45	43	53	52	54	58	60	60	51	56	68	60	42	41	41	41	52	57	60	67	46	36	37	62	59	62	....	50.1
Little Mountain	Maximum	....	....	....	68	68	76	75	84	88	82	71	70	75	77	83	75	74	68	70	74	78	80	85	88	80	67	74	80	88	80	...	[c]76.9
	Minimum	....	....	...	48	44	51	56	58	60	59	57	48	50	54	56	50	45	42	42	42	48	48	50	57	48	38	48	50	55	50	....	[c]42.7
Meriwether	Maximum	70	70	65	64	69	72	80	88	89	74	75	78	....	90	85	75	73	70	76	80	87	80	90	84	78	80	88	80	85	90	....	[a]78.8
	Minimum	28	26	30	30	50	45	41	51	55	56	58	45	....	48	57	59	37	38	38	37	50	53	61	60	35	36	35	36	39	57	....	[a]44.5
Monetta	Maximum	56	63	71	67	68	78	78	84	88	82	73	73	82	85	82	78	68	66	68	75	85	78	83	87	85	67	74	83	87	82	....	76.5
	Minimum	31	33	37	50	47	47	52	54	59	58	60	45	55	56	57	60	46	42	41	47	48	55	52	59	50	41	45	48	56	61	....	49.7
Newberry	Maximum	59	65	72	67	70	78	77	87	88	80	74	75	83	85	83	78	68	69	68	78	85	76	83	90	87	72	77	84	90	82	...	77.7
	Minimum	28	29	33	54	45	44	52	57	55	59	60	45	50	54	60	62	45	37	37	41	49	54	56	60	49	38	37	48	56	62	....	48.5
Saluda	Maximum	60	65	70	60	71	80	77	86	88	80	73	77	84	86	87	84	68	69	76	77	86	77	83	90	71	75	75	85	88	82	....	77.7
	Minimum	30	24	29	52	48	40	46	49	52	58	59	42	47	50	74	59	45	35	31	37	49	55	65	48	38	32	32	45	56	60	....	46.2
Santuck	Maximum	56	63	70	57	69	77	75	85	87	80	70	74	80	80	81	72	64	67	70	80	83	75	80	90	71	71	77	84	88	78	....	75.1
	Minimum	28	30	34	52	42	45	50	52	55	57	57	45	49	54	58	61	42	38	38	42	50	50	54	58	47	35	38	49	59	61	....	47.7
Spartanburg §§	Maximum	53	65	69	69	69	79	77	86	85	85	67	76	82	82	84	75	66	68	70	79	83	77	82	85	64	68	76	87	83	76	....	75.8
	Minimum	30	29	34	49	40	45	49	52	56	57	57	45	49	52	51	59	42	37	37	37	50	51	56	61	44	34	36	50	57	60	....	46.9
Trenton	Maximum	61	63	71	64	....	78	78	85	87	81	71	73	81	84	81	81	67	65	68	74	84	77	70	70	....	66	....	82	86	81	....	[c]75.1
	Minimum	30	30	38	48	....	49	49	57	61	59	60	49	57	55	60	60	46	40	43	48	54	56	40	45	....	40	....	46	61	63	....	[c]49.8
Walhalla	Maximum	58	63	65	55	68	78	72	85	86	78	73	78	82	80	79	74	65	66	68	76	83	77	85	86	70	68	73	83	83	78	....	74.5
	Minimum	28	29	35	48	40	42	46	48	52	53	58	42	50	52	50	59	39	38	40	42	48	58	59	59	45	34	33	49	54	57	....	46.2
White Oak	Maximum	55	63	70	64	69	77	78	85	87	83	73	74	80	82	82	78	66	66	69	75	82	....	....	....	....	....	....	....	....	....	....	....
	Minimum	29	28	38	53	46	46	52	55	60	59	52	48	53	54	60	61	45	41	39	45	52	52	....	....	....	....	....	....	....	....	....	....
Winthrop College	Maximum	55	61	70	61	69	76	77	86	87	87	75	74	80	80	82	78	66	65	70	72	80	77	75	85	75	68	73	85	85	74	....	74.9
	Minimum	28	30	39	42	43	49	51	55	60	50	59	48	50	53	58	60	43	39	37	44	50	48	53	58	44	34	39	52	59	61	....	47.9

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 1 inch.
1 to 2 inches.
2 to 4 inches.
4 to 6 inches.
Over 6 inches.
Based on 850 records
M.G

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51.05
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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

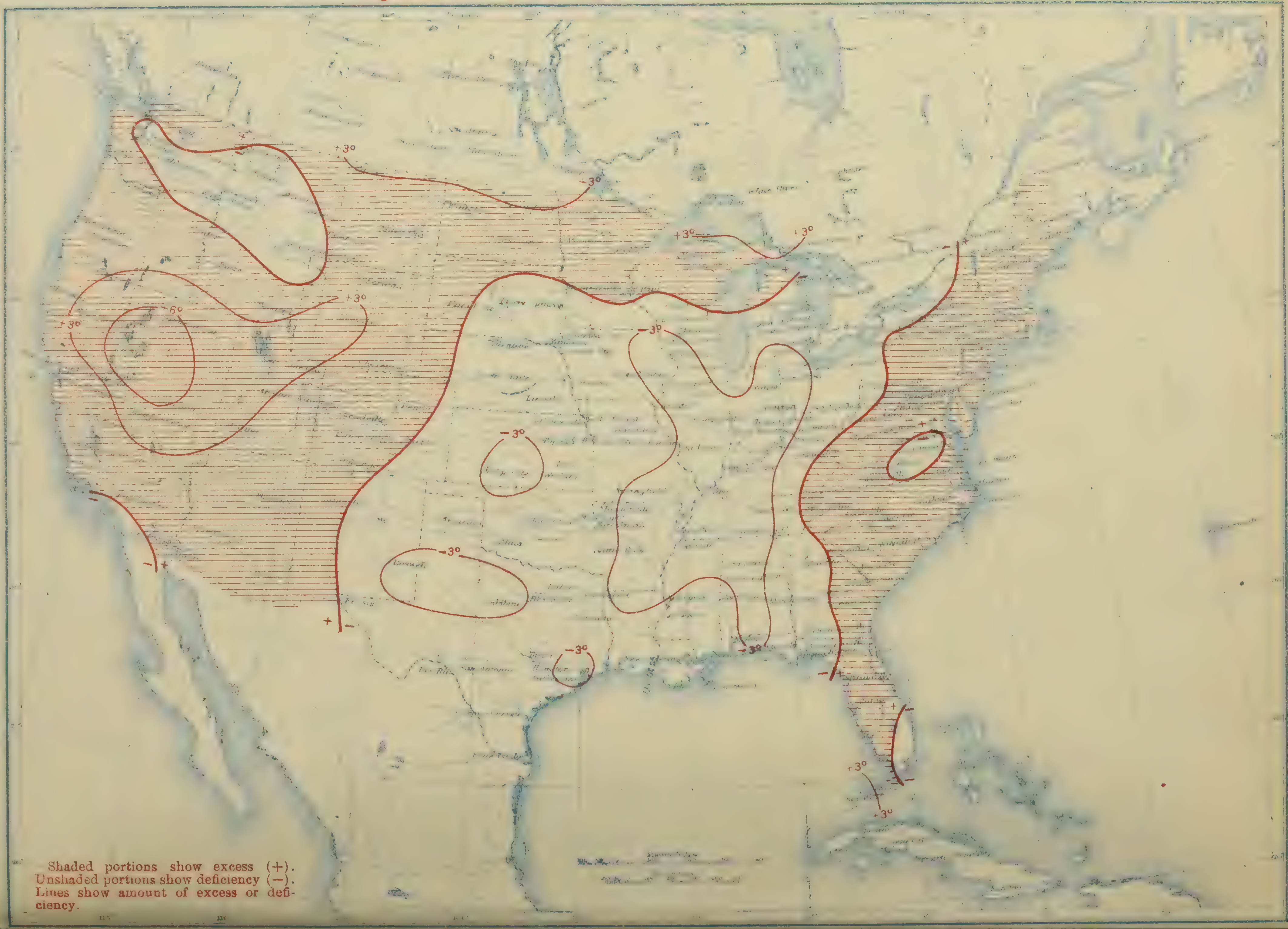
SOUTH CAROLINA SECTION

MAY, 1919

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
June 23, 1919

Departure of the Mean Temperature from the Normal, May, 1919.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

VOL. XXII. COLUMBIA, S. C., MAY, 1919 No. 5.

GENERAL SUMMARY.

Precipitation was considerably above the normal, as a whole, but was badly distributed as to amount, there being a superabundance up-State and an insufficient quantity on the coastal plain. Temperatures ranged somewhat below the average.

The month opened with most crops in need of rain and warmer weather. However, cotton developed good stands generally, and chopping was proceeding in the central and northern counties at the close of the month. General crop conditions materially improved with the succeeding rains, but the cool nights, together with lack of sunshine and much cloudiness, tended to retard satisfactory development. Tobacco transplanting was practically finished during the first week, and the crop maintained good condition generally until the close of the month. Wheat, oats, and rye began heading during the second week; the oat and rye harvests began in the more southern counties during the third week, and wheat harvest had extended to some sections of the central and northern counties by the close of the month. The continued cloudy and showery weather was attended by a luxuriant growth of grass, which became a menace to all crops of the central and northern counties; this was largely overcome toward the close of the month, when more favorable weather set in. The native strawberry season closed about the end of the month, and dewberries, blackberries, and raspberries became plentiful. The month closed with crops much improved generally in color and condition, and vegetables and fruits were plentiful. The season at the end of May was about two weeks late.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 29.91 inches. The highest pressure in the region covered by reports was 30.22 inches at Wilmington, N. C., on the 5th, and in the Section proper, 30.20 inches at Charleston on the same date; the lowest pressure was 29.45 inches at Asheville, N. C., on the 20th, and in the Section proper, 29.48 inches at Greenville on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 42 stations, was 71.0°, or 0.4° below the established normal. The highest temperature was 96° at Santuck, Union County, on the 31st. The warmest period was between the 25th and 31st, although high temperatures were recorded on various dates of the earlier part of the month. The lowest temperature was 42° at Landrum, Spartanburg County, on the 3d, and at Walhalla, Oconee County, on the 22d. The coldest period was between the 21st and 23d, but low temperatures were recorded at several stations during the earlier part of the month.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 84%; 8 p. m., 75%. The highest percentages occurred over the Savannah watershed and in the northeastern coastal district, and the lowest, in the interior.

PRECIPITATION.

The average for the Section, 54 stations reporting, was 5.23 inches, or 1.72 inches above the established normal. The precipitation was badly distributed as to amount and was recorded in 5 periods, with but few days on which rains did not fall in some part of the State; in a large part of the coastal plain, the monthly amounts were below normal and ranged downward from 3 inches to less than 2 inches, while over the central and northern counties the measurements were considerably above normal and ranged from 4 inches to over 9 inches. The greatest local monthly amount was 9.90 inches at Winthrop College, Rock Hill, York County; least monthly amount, 1.69 inches at Charleston. The greatest 24-hour amount at any station was 3.33 inches at Catawba, York County, on the 7th and 8th. The average number of rainy days was 38% above normal.

Death by Lightning.—Mrs. Herbert Anderson, living near Gurley, Horry County, on May 17, 1919. The family residence was set on fire and, with contents, destroyed.

A severe hailstorm in the vicinity of Hodges and Cokesbury, northern Greenwood County, on May 25, 1919, destroyed crops approximating $50,000 in value. The path of the storm was 9 miles long and 5 miles wide.

WIND.

The prevailing wind was from the south. The average hourly velocity, determined from 8 anemometer records, was 7.5 miles. The highest average velocity was 10.4 miles per hour at Savannah, Ga., and in the Section proper, 9.6 miles per hour at Charleston; the lowest average was 4.8 miles per hour at Charlotte, N. C., and in the Section proper, 6.7 miles per hour at Columbia. The highest velocity for any 5-minute period was 41 miles per hour from the northeast at Charleston on the 25th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 251.0 hours, or 58% of the possible amount. The average number of clear days was 12; partly cloudy, 11, and cloudy, 8, as against normals of 16, 9, and 6 days, respectively.

RIVER CONDITIONS.

Moderate freshets occurred in the Wateree River on the 9th and in the Saluda, Broad, Catawba, and Wateree rivers between the 13th and 15th, incident to heavy up-State rains, and the Santee River was near or above flood stage at Rimini and Ferguson from the 3d to the close of the month. The losses incident to floods during the month approximated $9,653, and the value of movable property saved by timely warnings was estimated at $91,000.

MISCELLANEOUS DATA FOR MAY, 1919.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C.	29.94	62.9	82	43	3.84	0.73	7.7	se.	84	69	57
Augusta, Ga.	29.93	72.5	89	53	4.45	1.39	5.1	s.	86	76	52
Charleston, S. C.	29.95	74.2	89	60	1.69	0.92	9.6	s.	79	80	74
Charlotte, N. C.	29.94	69.0	89	47	6.38	2.71	4.8	s.	88	68	62
Columbia, S. C.	29.94	71.5	89	52	4.37	1.74	6.7	s	83	69	45
Greenville, S. C.	29.92	67.7	87	47	6.61	2.36	8.0	sw.	88	75	58
Savannah, Ga.	29.95	74.0	90	58	4.34	1.73	10.4	s.	84	80	54
Wilmington, N. C.	29.96	70.8	86	52	1.26	0.36	7.8	sw.	83	81	64
Means and extremes	29.91	70.3	90	43	4.12	2.71	7.5	s.	84	75	58

Climatological Data for May, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	30	73.2	0.0	89	†18	55	†21	28	4.97	+1.60	1.00	0	8	15	15	1	w.	R. B. Vance.
Blackville	Barnwell	296	30	^{a}73.8	+0.5	^{a}90	† 5	^{a}54	†22	^{a}28	2.82	−0.64	0.77	0	7	11	9	11	......	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	18	71.8	−0.5	90	8	50	† 3	35	4.33	+0.92	1.04	0	9	20	7	4	sw.	B. O. Evans.
Charleston	Charleston	48	48	74.2	+1.8	89	25	60	22	25	1.69	−1.78	0.92	0	8	12	8	11	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	29	70.4	−0.4	92	29	49	†16	33	4.54	+1.00	1.90	0	8	....	....	....	......	Roland D. Powe.
Conway	Horry	25	33	71.9	+0.9	90	28	52	†22	31	2.96	−0.40	0.70	0	12	16	0	15	s.	Paul Quattlebaum.
Darlington	Darlington	175	24	^{b}72.4	+1.0	^{b}94	28	^{b}49	15	^{b}36	2.90	−0.45	0.95	0	9	11	6	14	......	D. C. McCall.
Edisto ‡‡	Bamberg	143	31	......	......	....	....	....	....	....	4.41	+1.38	1.46	0	11	....	....	....	......	Nathan Jenkins
Effingham	Florence	106	26	......	......	....	....	....	....	....	3.71	+0.34	0.96	0	9	....	....	....	......	Wm. B. Gillespie,
Ferguson	Orangeburg	63	33	71.6	+0.5	86	†10	51	23	30	5.64	+1.47	1.90	0	8	8	13	10	s.	Henry C. Savage.
Florence 1	Florence	136	30	73.1	+0.8	94	28	50	23	36	2.91	−0.64	1.00	0	12	13	11	7	sw.	H. K. Gilbert.
Florence 2	do	136	4	......	......	....	....	....	....	....	2.32	−1.23	0.80	0	11	19	9	3	sw.	Pee Dee Experiment Sta.
Garnett	Hampton	82	1	74.4	......	95	25	51	23	39	6.06	......	2.35	0	11	3	21	7	sw.	Maner B. Robert.
Georgetown	Georgetown	12	24	72.5	+0.3	91	28	53	23	34	4.00	+1.06	0.75	0	11	14	14	3	s.	A. P. Hazard.
Kingstree	Williamsburg	54	30	73.0	+1.2	90	†28	51	†15	35	3.38	+0.23	0.67	0	10	20	3	8	sw.	W. H. Matthews.
Oaks	Georgetown	......	4	......	......	^{e}91	28	50	†22	38	2.97	......	0.61	0	14	14	12	4	s.	O. M. Mitchell.
Orangeburg	Orangeburg	264	3	......	......	....	....	....	....	....	......	......	......	....	....	....	....	....	......	U. S. Fisheries Station.
Paris Island	Beaufort	13	1	......	......	89	2	60	†18	....	3.40	+0.24	1.68	0	8	13	8	10	se.	U. S. Marine Corps.
Pinopolis **	Berkeley	54	69	......	......	....	....	....	....	....	......	......	......	....	....	....	....	....	......	Miss E. P. Ravenel.
Rimini	Clarendon	97	5	......	......	....	....	....	....	....	4.62	......	1.40	0	9	....	....	....	......	William B. Wolfe.
St. George	Dorchester	109	30	72.2	−0.5	89	† 4	49	23	37	4.41	+1.23	1.01	0	12	24	0	7	nw.	Miss Alma T. Whiteside.
St. Matthews	Calhoun	62	23	73.8	+2.0	91	19	54	† 3	33	6.50	+2.89	2.00	0	9	11	13	7	sw.	J. S. Wannamaker.
Society Hill	Darlington	192	27	71.5	+0.5	92	28	48	15	34	2.96	−0.26	1.07	0	14	15	8	8	s.	A. H. Rogers.
Summerville	Dorchester	75	21	72.3	+0.3	87	†25	53	23	31	3.80	+0.79	1.20	0	14	5	23	3	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	16	......	......	....	....	....	....	....	......	......	......	....	....	....	....	....	......	J. N. Frank.
Yemassee	Hampton	24	23	73.2	+0.4	91	25	49	23	35	3.64	+0.34	1.00	0	8	14	8	9	s.	W. C. Hutson.
Division means and	extremes	......	....	72.7	+0.7	95	25	48	15	39	3.87	+0.50	2.35	0	10	13	10	8	s.	
Western Portion.																				
Aiken	Aiken	527	58	72.5	+1.2	88	28	50	22	30	7.13	+3.67	2.17	0	12	17	4	10	sw.	Frank B. McCoy.
Anderson	Anderson	764	23	^{e}68.6	−2.0	90	4	^{e}46	†13	^{e}37	5.17	+2.53	2.23	0	11	17	0	14	w.	H. H. Russell.
Batesburg	Lexington	656	30	70.9	−0.8	88	† 5	50	22	30	5.99	+2.57	1.33	0	12	12	12	7	s.	E. J. Hite.
Blairs	Fairfield	293	16	......	......	....	....	....	....	....	5.86	+3.32	1.05	0	11	....	....	....	......	J. N. Owens.
Calhoun Falls	Abbeville	508	26	70.6	......	91	†28	48	†22	39	5.79	+2.26	1.40	0	13	10	8	13	s.	L. M. Parker.
Camden	Kershaw	222	59	^{c}73.6	+2.6	94	28	^{c}50	23	^{c}29	4.11	+0.85	1.77	0	10	12	9	10	sw.	W. C. Brown.
Catawba	York	562	15	......	......	....	....	....	....	....	9.47	+6.15	3.33	0	10	....	....	....	......	James C. Faris.
Chappells	Newberry	402	15	......	......	....	....	....	....	....	5.09	+2.56	1.54	0	11	....	....	....	......	J. J. Murran.
Clemson College	Oconee	850	27	67.0	−2.2	81	4	49	† 3	32	7.78	+4.37	1.40	0	7	23	1	7	e.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	32	71.5	−0.3	89	28	52	22	27	4.37	+1.18	1.74	0	10	8	11	12	s.	U. S. Weather Bureau.
Edgefield	Edgefield	......	5	......	......	....	....	....	....	....	5.03	......	1.50	0	11	....	....	....	......	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	6	......	......	....	....	....	....	....	6.46	+3.49	1.56	0	12	....	....	....	......	S. C. Lt., Power & Ry. Co.
Greenville	Greenville	1039	26	67.7	+0.2	87	28	47	22	25	6.61	+2.29	2.36	0	13	5	14	12	sw.	U. S. Weather Bureau.
Greenwood	Greenwood	671	30	69.0	−2.3	85	30	48	22	26	4.20	+0.58	0.92	0	11	16	0	15	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	18	69.2	−1.6	88	31	50	22	28	6.81	+3.61	1.38	0	9	10	12	9	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	3	70.4	......	90	†28	50	22	31	7.66	......	1.88	0	11	16	1	14	w.	John W. Hamel.
Landrum	Spartanburg	1063	4	66.9	......	89	31	42	3	44	4.88	......	1.69	0	11	10	16	5	......	R. Hartwell Wilds, D.D.S.
Laurens	Laurens	589	1	^{a}68.2	......	^{a}88	31	^{a}43	3	^{a}38	5.23	......	2.12	0	6	....	....	....	......	Perry A. Simpson.
Liberty	Pickens	900	20	69.6	−0.4	89	† 4	48	22	39	6.77	+2.38	3.30	0	12	9	17	5	s.	John T. Boggs.
Little Mountain	Newberry	711	26	69.9	−2.3	88	†29	48	1	28	4.67	+1.82	1.25	0	10	21	0	10	s.	J. M. Sease, M. D.
Meriwether	McCormick	450	16	^{a}70.8	0.0	^{a}90	† 3	^{a}45	5	^{a}45	3.15	+0.67	1.30	0	5	....	....	....	......	Mrs. Marie R. Middleton.
Monetta	Saluda	400	12	71.3	−0.9	88	† 4	49	22	35	4.75	+2.29	1.05	0	15	5	23	3	s.	Joseph M. Johnson.
Newberry	Newberry	502	16	70.6	−0.7	90	† 4	50	22	38	5.86	+2.90	1.41	0	13	2	14	15	sw.	Warren G. Peterson.
Pelzer	Anderson	850	15	......	......	....	....	....	....	....	7.88	+4.14	2.58	0	14	....	....		......	Joshua Y. Jones.
Saluda	Saluda	536	18	70.4	−1.2	88	† 4	47	3	41	4.61	+2.07	0.96	0	12	15	10	6	s.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	26	70.2	−0.2	96	31	49	†13	35	6.15	+3.20	2.00	0	9	7	12	12	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	36	68.8	−0.7	91	31	47	†22	38	9.68	+5.65	1.80	0	11	....	....	....	......	F. P. Robinson.
Trenton	Edgefield	620	30	^{d}70.4	−2.0	^{d}89	29	^{d}50	†20	^{d}34	4.13	+1.27	1.00	0	9	12	13	6	s.	Mrs. S. E. Long
Walhalla	Oconee	1061	16	67.5	+0.1	87	† 4	42	22	41	7.72	+3.69	1.47	0	12	8	16	7	sw.	H. W. Brandt.
Winnsboro	Fairfield	545	28	^{m}69.4	−1.4	^{j}87	†27	^{m}48	11	^{m}29	7.35	+4.25	2.00	0	12	....	....	....	sw.	Rev. Oliver Johnson.
Winthrop College ‡‡	York	690	19	70.0	−0.2	91	†30	49	22	31	9.90	+5.74	2.10	0	8	12	16	3	s.	W. P. Goodman.
Division means and	extremes	......	....	69.8	−2.0	96	31	42	† 3	45	6.25	+1.81	3.33	0	11	11	11	9	s.	
Section means and	extremes	......	....	71.0	−0.4	96	31	42	† 3	45	5.23	+1.72	3.33	0	11	12	11	8	s.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Blacksburg; of Winthrop College, Rock Hill.
T. Precipitation is less than 0.01 inch of rain or melted snow.

ERRATA.—FEBRUARY, 1918.

AIKEN.—Lowest temperature, page 12, should be 23 on 17th. LIBERTY.—Date of lowest temperature, page 12, should be 10th. ORANGEBURG.—Mean minimum temperature, page 14, should be 38.1.

Daily Precipitation for May, 1919.

Stations.	Watersheds.	Day of month.																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ||||	Savannah	T.	.60					.82			1.00				.70						.15	.45					1.00	.25					4.97
Blackville ||||	Edisto		.35						.12	.10		.65				.77						.55	.28										2.82
Bowman	do	.72			.02		T.	T.	T.	.05				1.04	.07			T.		.90	.80						T.		.05	.68			4.33
Charleston ***	Coast	.07					.12				.02	T.		.27				.17	.01	T.	.11					.92							1.69
Cheraw ||||	Pee Dee	.27	.28					T.	1.90		.39				.21						.44	.62					T.			.43			4.54
Conway ||||	Waccamaw	.03	.33					.70	.52		.30		.03		.10				.02		T.	.18					.20		.19	.06			2.96
Darlington ||||	Pee Dee	.65	.65					.03	.05						.12						.12	.95					.10	.23		T.			2.90
Edisto ||||	Edisto	.05	.35			.06		.45			.35				1.30	.10					.42	.41					.60				.32		4.41
Effingham ||||	Lynches		.67				.96	.50	.12		.21				.25						T.	.67					.21	.12		T.			3.71
Ferguson ||||	Santee	.32	.65					.09			T.		1.73		.34				T.		T.	1.90					.53			.08			5.64
Florence 1 ||||	Pee Dee	.03	.28				.02	.04	.28		.06				.15						.28	1.00					.08	.05		.64			2.91
Florence 2 ||||	do	.53	.10					.10	.12		.03				.16					T.	.10	.80					.10	.04		.24			2.32
Garnett	Savannah	1.27					2.35	.19		.38	.01		T.	.14	T.				.12	.35	.04					1.16	.05	T.		T.		T.	6.06
Georgetown	Coast	.75					.35	.30			.20	.15	.40	.20				.20			.60	.25				.60							4.00
Kingstree ||||	Black		.20					.30	.38		.10	.10	.67		.32				.47			.34					.50						3.38
Oaks	do	.27	.09				.61	.14				.61	.31	.28			T.	.06		.01	.24	.04				.26		.04	.01				2.97
Orangeburg	Edisto																																
Paris Island	Coast		.12					.05	.01						.42					.26			.85				1.68	.01					3.40
Pinopolis	Cooper																																
Rimini ||||	Santee		.46					.07							.65				.15		1.40	.80					.56			.08	.45		4.62
St. George ||||	Edisto		.81					.09			.02				.60	.17			.81		.03	.24			.02		1.01	.01			.60		4.41
St. Matthews ||||	Santee		.25					2.00	.20						1.35						.40	.37					.68			.15	.10		6.50
Society Hill ||||	do	.10	.25				.02	.09	.12		.04		.02		.12						.30	1.07				.60	.03	.10		.10			2.96
Summerville	Ashley	.05	.09				.60	.10					.04	.20				.61	.12	T.	.45	.05				1.20	.05		.21	.03		T.	3.80
Walterboro	Ashepoo																																
Yemassee ||||	do		1.00					.57			.14				.48				.37		.10	.30					.68						3.64
Western Portion.																																	
Aiken	Edisto	1.23					.45	2.17		.26	.06			1.13	.33						.57	.11				.21				.56	.05		7.13
Anderson	Savannah	.54					.56	.51	.03	.32				2.23						.33	.40			.05		.02				.18			5.17
Batesburg ||||	Edisto	.53	.48				.08	1.33	.49	.74	.06				.79				.04		.09	.98					.38	T.			T.		5.99
Blairs ||||	Broad	.92	.18				.31	.52	.32		.10			1.05	.79						.35	.90					.42						5.86
Calhoun Falls ||||	Savannah	.40	.45					1.02	.20	.03	.89			.05	.36				.46		1.18	.22	T.		T.		.31				.22		5.79
Camden ||||	Wateree	.37	1.40					.47	.15		.52				.33				.08		.20	.35					.24						4.11
Catawba ||||	Catawba	.55	.45					1.60	3.33		.45			.35	1.70						.26	.70				.08							9.47
Chappells ||||	Saluda	.85	.25				.42	.20		.14	.30			.36	1.54						.53	.30					.20						5.09
Clemson College	Savannah	1.10					1.40	.83		.80				1.70					1.50											.45			7.78
Columbia ***	Congaree	.67					1.63	.11	.29	.20			T.	.38	T.			.04		.40	.19					.46				T.			4.37
Edgefield ||||	Savannah	.45	.48				.15	.20			.18				.10						1.00	1.50	.05				.10				.82		5.03
Easton Shoals ||||	Broad	.42	.52				.14	.80	.75		T		.03	.62	1.56						.49	.33			T.	T.	.20			.60			6.46
reenville ***	Saluda	.78				.23	.39	1.48	.02	.19				2.36						.15	.58			T.	T.	.14	.05	.23		.01			6.61
Greenwood ||||	do	.78	.30					.57	.20	.05	.03			.22	.92						.12	.17					.84						4.20
Heath Spring	Wateree	1.38					.59	2.62		.24				.70						.35		.35				.45			.13				6.81
Kershaw ||||	Lynches	1.49	.63					.55	1.88	.04	.46		.12		.44						.32	.38					1.35						7.66
andrum	Broad	1.13					.27	.41	.08	.65	.13			.27	.02						1.69					T.		.17		.06			4.88
aurens ||||	Saluda						1.40	.53		.02				2 12	.58						.58					T							5.23
iberty	Savannah	.80	.60		T.	.20	.25	.35	.25	.40				3.30	T.					.10	.45			T.	T	.06	.01						6.77
ittle Mountain	Saluda	.75				.16	.95	.35	.05	.10				.84							1.25	.04				.18							4.67
Meriwether	Savannah	T.					T.	1.30		.42	T.									.50	.61	T.			T.	.32			T.		T.		3.15
Monetta	Edisto	1.04					.23	.57	.52	.04	.01			1.05	.01			.02		02	.72	.06				.09	.07			.30			4 75
ewberry	Saluda	1.05					1.41	.18	.05	.16	.05			1.35	.02			T.		.36	.52	.57	T.	T.		.13	.01						5.86
elzer ||||	do	.46	.36				.06	.36	.34	.30	1.42			2.58	1.46						.24	.04		T.		.04	.04			.18			7.88
aluda	do	.62	.06					.40	.10	.64				.96						.60	.62	.10	.05			.36				.10			4.61
antuck	Broad	1.07				T.	.60	.63	.80	.34				2.00	.10					T.	.51					.10							6.15
partanburg ||||	do	.56					1.20	.75	1.28	1.42				1.05	1.80					.82	.42						.15				.23		9.68
renton	Edisto	.62				T.	.24	.20		.69				.52						.22	1.00	T.				.09				.55		T.	4.13
Walhalla	Savannah	.98				.31	.26	1.47	1.23	.64				1.36							.79			T.	T.	.06	.03	.09		.50			7.72
Winnsboro	Broad	.64	.82			.05	2.00	.60	.28	.25			.42	.33						.33	1.09					.54							7.35
inthrop College	Catawba	1.30					.50	1.80	1.35	2.10				1.85	.45						.55												9.90

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡Separate dates of falls not recorded. T. Trace, or less than 0.01 inchs

COMPARATIVE DATA FOR MAY.

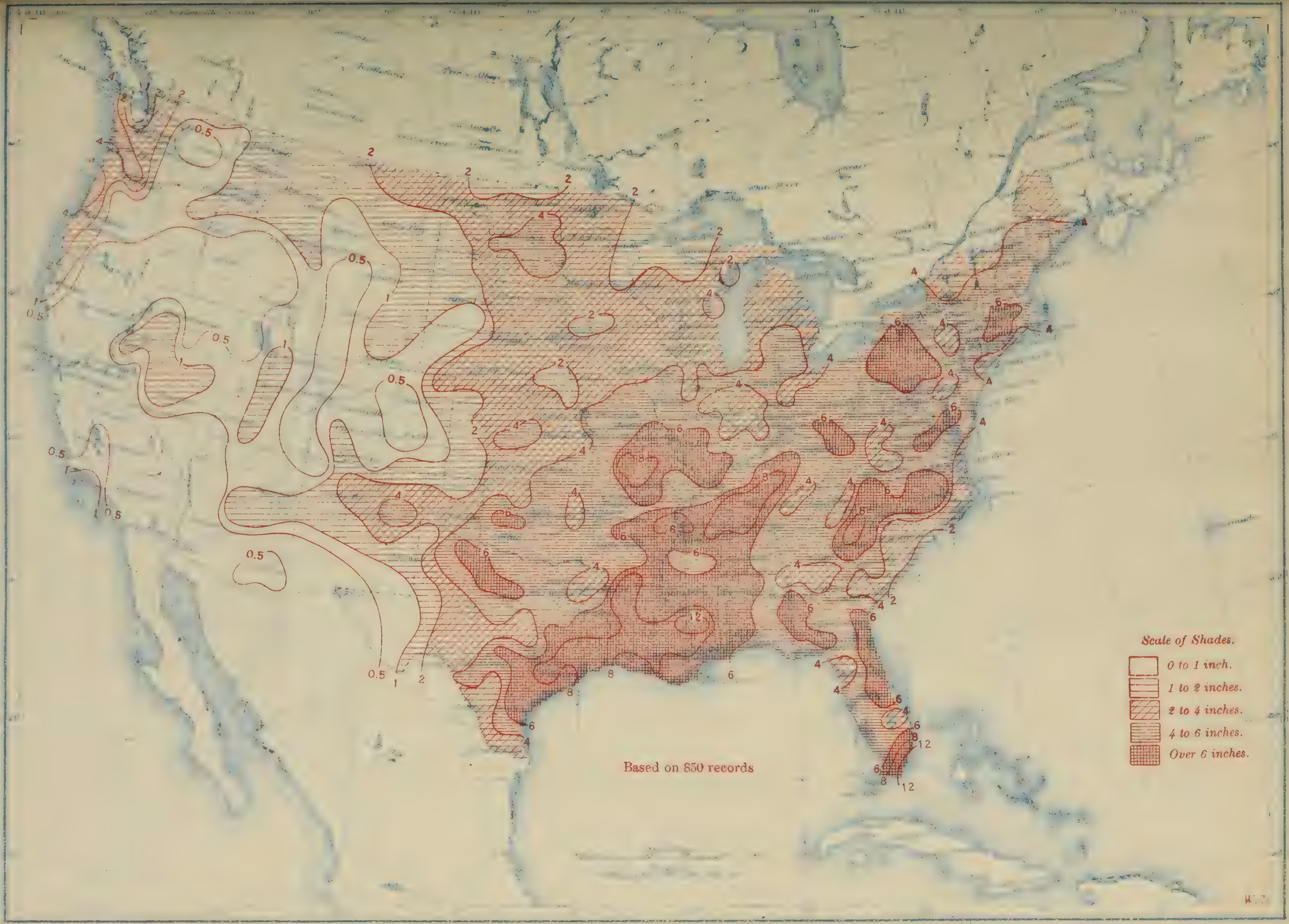
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
87	72.5	97	41	3.17	10				
88	70.2	99	33	7.51	11				
89	71.7	101	35	1.97	5				nw.
90	71.0	95	30	5.44	10				sw.
91	69.0	100	36	3.57					ne.
92	71.1	94	39	3.53					
93	70.2	97	38	4.13	9	13	9	9	sw.
94	70.7	98	38	3.43	9	10	16	5	sw.
95	69.0	101	34	4.36	9	11	12	8	sw.
96	76.7	104	42	2.74	8	14	13	4	sw.
97	69.3	97	38	2.39	6	18	8	5	sw.
98	73.8	106	39	1.35	5	18	10	3	sw.
99	73.7	100	45	1.68	5	15	10	6	sw.
00	70.2	96	38	2.37	5	19	7	5	sw.
01	71.4	99	40	7.31	11	13	10	8	sw.
02	74.0	101	42	2.69	8	15	10	6	sw.
03	70.7	104	44	2.69	9	12	9	10	ne.
04	70.6	99	38	2.04	7	18	8	5	s.
1905	73.4	99	42	5.70	13	12	9	10	sw.
1906	70.7	99	30	3.00	7	17	6	8	sw.
1907	70.8	96	41	4.51	10	11	12	8	sw.
1908	71.8	96	36	2.92	7	16	11	4	sw.
1909	69.5	100	35	4.26	8	14	12	5	sw.
1910	69.8	99	40	4.03	8	15	10	6	sw.
1911	72.6	106	35	0.65	3	20	8	3	ne.
1912	72.4	101	43	4.08	9	16	6	9	sw.
1913	71.7	101	38	2.13	6	19	6	6	sw.
1914	72.1	105	42	0.83	3	18	10	3	sw.
1915	73.0	98	46	7.20	11	11	11	9	w.
1916	73.8	103	42	2.44	5	20	7	4	sw.
1917	66.3	98	31	3.09	7	18	7	6	w.
1918	72.6	100	31	3.48	7	19	8	4	sw.
1919	71.0	96	42	5.23	11	12	11	8	s.
Period	71.4	106	30	3.51	8	16	9	6	sw.

Daily Temperatures for May, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale §§	Maximum	85	72	82	87	87	85	88	85	87	86	82	83	82	70	70	81	82	89	85	85	83	74	80	83	89	86	88	87	88	88	86	83.4
	Minimum	55	60	54	65	65	69	67	68	67	66	62	65	64	55	56	59	64	62	65	64	55	57	55	62	67	64	67	69	67	70	69	63.0
Blackville §	Maximum	....	73	84	87	90	89	91	88	90	86	89	86	85	71	73	82	86	90	87	88	81	75	75	83	90	88	89	90	88	87	90	[a]84.7
	Minimum	....	60	56	62	64	66	68	68	66	62	64	64	64	60	55	55	62	65	63	65	63	54	54	59	65	64	66	68	67	68	67	[a]62.8
Bowman	Maximum	82	85	87	89	87	85	87	90	89	85	88	83	78	70	82	85	89	84	88	81	74	80	82	85	82	86	88	87	84	87	88	84.4
	Minimum	55	52	59	60	62	65	65	66	64	62	57	62	60	54	53	52	62	60	61	60	55	53	50	59	65	62	60	65	63	62	63	59.3
Charleston	Maximum	78	78	77	76	80	77	82	83	81	84	82	75	73	73	76	79	84	80	78	80	79	79	82	84	89	83	84	86	80	80	81	80.1
	Minimum	66	64	64	69	71	71	72	72	73	71	70	66	66	63	61	65	72	70	68	68	64	60	63	68	68	68	74	74	73	73	74	68.4
Cheraw §§	Maximum	65	69	80	82	89	85	83	85	85	85	83	74	76	63	68	81	87	88	82	84	84	75	75	81	86	73	84	88	92	84	88	80.8
	Minimum	58	59	56	54	59	64	67	68	64	68	66	61	59	56	54	49	54	62	57	59	61	59	49	56	58	69	64	67	62	61	62	59.9
Conway §§	Maximum	75	83	82	84	83	80	83	85	82	82	78	80	70	76	79	80	82	79	80	84	80	78	83	86	77	88	88	90	85	87	86	81.8
	Minimum	60	59	55	58	61	65	69	66	64	66	65	63	58	60	53	53	64	62	64	67	66	52	52	56	69	61	69	66	69	66	63	62.0
Darlington §§	Maximum	70	85	....	90	87	85	86	86	89	86	78	78	63	74	85	87	89	83	85	86	75	..	82	87	73	85	89	94	83	91	92	[b]83.6
	Minimum	60	60	53	...	64	66	68	66	66	68	63	59	57	55	49	52	66	60	63	62	60	50	....	55	68	61	65	65	68	67	62	[b]61.3
Ferguson §§	Maximum	67	84	84	79	81	75	81	85	83	86	81	78	64	72	83	83	83	83	84	86	71	72	81	84	84	84	82	83	85	86	86	80.6
	Minimum	64	57	54	59	62	65	70	68	64	66	67	60	62	58	54	59	64	64	62	67	60	59	51	58	64	65	69	67	68	67	65	62.5
Florence 1 §§	Maximum	72	80	88	90	89	84	89	86	89	89	78	78	63	70	80	89	89	84	88	84	77	74	82	89	81	88	90	94	85	89	91	83.9
	Minimum	62	59	56	58	63	66	68	66	67	68	65	61	57	55	53	55	66	62	65	64	62	53	50	60	71	62	69	66	68	69	65	62.3
Garnett	Maximum	75	85	90	90	89	91	89	89	89	86	86	85	76	70	84	87	91	87	89	87	78	78	85	90	95	90	89	88	88	89	89	86.3
	Minimum	63	58	53	63	65	69	66	67	66	66	61	66	61	60	53	58	64	64	64	62	56	53	51	58	67	63	68	69	66	69	69	62.6
Georgetown	Maximum	76	78	82	84	84	84	82	85	83	82	70	68	70	78	78	83	80	81	83	82	78	78	83	87	85	82	88	91	86	78	80	81.2
	Minimum	63	61	56	59	61	61	66	68	68	68	62	64	64	58	55	54	68	64	66	67	65	56	53	60	71	63	69	67	73	74	75	63.8
Kingstree §§	Maximum	75	84	86	88	88	81	88	87	87	87	87	80	72	72	82	87	87	83	83	81	78	78	84	88	82	88	89	90	87	89	90	84.2
	Minimum	63	57	53	61	61	66	68	67	65	67	63	63	61	57	51	52	63	63	63	67	60	52	51	57	65	64	68	66	70	68	64	61.8
Oaks	Maximum	75	82	83	86	....	....	....	86	85	...	80	75	68	74	80	82	84	82	82	85	78	87	83	88	82	88	90	91	86	89	....	[e]82.8
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	65	61	50	50	55	65	62	67	75	69	67	...	....
Orangeburg §§	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	....
Paris Island §§	Maximum	77	89	84	86	87	84	86	85	85	88	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	....
	Minimum	68	64	62	65	69	70	71	71	71	69	67	71	73	63	62	62	65	60	66	63	65	60	60	68	65	67	69	73	72	73	73	67.0
St. George §§	Maximum	73	84	88	89	88	84	89	88	80	86	87	84	77	69	82	87	85	81	86	8	76	78	85	88	80	88	89	88	85	86	87	84.1
	Minimum	65	56	51	58	61	65	70	63	62	63	65	63	60	55	51	54	60	58	60	64	56	52	49	56	64	61	64	65	66	64	66	60.2
St. Matthews §§	Maximum	69	83	87	89	87	86	85	88	88	85	90	89	77	74	86	85	89	81	91	89	76	76	83	87	8	86	89	90	84	85	86	84.5
	Minimum	65	61	54	63	66	70	67	67	68	67	63	65	63	56	55	57	64	61	61	65	55	54	57	61	70	65	66	70	68	67	66	63.1
Society Hill §§	Maximum	69	80	85	87	86	79	85	85	87	88	75	78	62	70	84	87	90	81	84	85	76	77	83	88	75	84	89	92	82	89	90	82.3
	Minimum	59	59	53	58	62	66	69	65	66	66	61	58	57	55	48	53	65	60	60	63	61	49	53	60	62	62	69	66	67	66	63	60.7
Summerville	Maximum	73	82	83	85	84	78	81	84	84	83	83	80	75	71	80	82	85	82	82	83	75	75	83	84	87	8	87	87	84	85	85	81.8
	Minimum	62	66	55	60	62	66	68	66	65	67	66	65	60	60	54	55	63	62	66	66	59	54	53	60	67	65	69	68	68	68	69	62.8
Walterboro	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	....
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	....
Yemassee §§	Maximum	75	84	87	86	87	87	86	87	86	85	85	84	76	70	84	87	89	85	83	84	76	76	84	87	91	89	8	87	88	87	89	84.5
	Minimum	66	60	53	55	63	67	66	66	65	64	61	65	61	61	52	55	62	64	63	62	58	52	49	58	65	62	67	69	67	69	68	61.8
Western Portion.																																	
Aiken	Maximum	80	79	85	87	85	84	84	86	85	80	80	79	78	70	79	82	86	83	82	80	71	71	80	83	83	80	85	88	85	85	86	81.6
	Minimum	62	57	74	65	66	66	64	66	69	67	65	59	55	53	55	69	64	64	65	63	51	50	50	64	69	65	65	68	67	67	75	63.4
Anderson	Maximum	76	80	84	90	78	82	82	84	82	80	78	73	78	73	79	84	82	81	80	75	69	69	78	84	84	8	84	88	80	86	86	80.4
	Minimum	56	51	53	59	62	62	64	62	64	61	56	58	46	48	53	55	59	45	54	61	47	46	58	59	59	65	...	...	...	...	...	[e]56.7
Batesburg §§	Maximum	72	79	86	87	88	85	86	87	85	81	77	74	70	70	80	83	82	81	82	79	71	70	79	85	80	76	86	88	84	89	86	80.8
	Minimum	60	57	56	65	66	65	66	65	65	64	62	57	62	51	55	58	63	61	61	62	51	50	51	58	67	63	65	68	67	65	66	61.0
Calhoun Falls §§	Maximum	78	83	87	91	78	85	86	88	82	81	82	79	64	76	83	87	88	85	85	78	72	70	83	86	88	85	86	91	85	91	89	83.0
	Minimum	61	52	51	52	59	65	64	62	62	61	56	57	59	52	52	55	56	55	57	62	50	48	48	52	62	68	63	65	67	66	66	58.2
Camden §§	Maximum	68	82	88	90	87	88	86	86	89	85	78	80	60	74	84	84	87	87	88	85	77	79	84	88	75	85	90	94	88	92	93	83.9
	Minimum	...	59	61	65	67	....	69	70	....	68	65	61	59	56	57	61	65	65	65	66	56	52	50	59	61	67	68	70	72	68	68	[c]63.3
Clemson College	Maximum	74	74	75	81	76	78	78	79	78	77	76	73	72	77	75	77	70	74	73	68	71	70	72	72	72	73	78	80	76	80	78	75.1
	Minimum	57	50	49	73	62	62	63	63	62	61	56	54	57	52	53	54	50	50	57	51	49	58	57	60	58	68	65	68	70	66	66	58.9
Columbia	Maximum	66	80	85	86	84	84	83	85	84	81	75	76	66	71	80	83	83	81	82	80	73	72	80	85	74	82	87	89	84	86	88	80.5
	Minimum	63	59	58	65	67	66	66	68	66	66	61	60	54	54	58	60	66	62	64	62	53	52	56	61	65	66	69	67	69	68	68	62.5
Greenville	Maximum	74	76	81	83	77	77	80	81	78	79	73	67	62	69	74	80	79	77	74	74	68	66	76	80	72	76	81	87	78	84	86	73.4
	Minimum	53	53	58	61	63	62	64	62	64	62	57	56	49	49	54	58	62	57	60	55	49	47	54	59	62	65	64	67	68	67	67	59.0
Greenwood §§	Maximum	73	75	80	84	80	81	80	81	79	79	77	71	69	68	77	83	83	79	78	75	75	69	79	82	81	77	84	84	80	85	83	78.4
	Minimum	60	54	54	63	65	63	64	63	65	62	57	58	50	50	54	57	61	56	62	62	49	48	55	60	62	65	63	65	67	65	64	59.5
Heath Spring	Maximum	80	76	82	83	80	81	77	80	81	80	74	73	73	65	75	80	82	80	81	78	73	70	77	82	81	77	83	86	84	86	88	79.0
	Minimum	56	54	55	56	65	65	65	65	65	64	59	56	51	51	53	55	62	59	59	62	54	50	52	59	61	63	68	64	66	64	63	59.4
Kershaw §§	Maximum	68	82	84	86	84	84	83	83	83	83	74	76	67	71	81	85	86	81	83	80	73	72	80	85	76	80	87	90	83	89	90	80.9
	Minimum	58	57	53	62	65	66	66	65	66	65	60	56	52	52	51	55	62	60	59	63	55	50	52	58	62	62	68	65	65	65	63	59.9
Landrum	Maximum	73	77	82	86	80	75	81	82	79	80	80	67	65	69	77	81	80	80	75	76	69	69	71	81	76	79	82	87	80	87	89	77.9
	Minimum	50	51	42	62	62	60	65	62	63	59	54	56	44	48	47	50	57	53	50	61	50	45	51	57	61	62	65	61	66	59	60	55.9
Laurens §§	Maximum	74	77	81	81	79	....	83	84	82	81	71	74	63	72	78	82	83	79	80	75	71	71	84	83	77	83	81	86	83	87	88	[a]79.1
	Minimum	59	50	43	50	58	64	...	63	64	63	61	53	53	51	52	54	56	57	58	61	50	49	52	56	65	66	64	61	64	62	62	[a]57.4
Liberty	Maximum	77	87	86	89	83	77	83	85	82	85	80	75	67	73	80	83	81	81	80	78	72	70	80	85	80	81	85	89	86	87	89	81.2
	Minimum	55	52	50	58	64	62	67	63	65	63	57	57	50	50	52	50	61	52	57	57	51	48	55	59	56	66	65	66	64	64	66	58.1
Little Mountain	Maximum	70	78	83	86	75	80	80	83	79	80	75	80	70	60	70	81	80	80	70	80	80	81	81	82	77	80	85	86	88	87	88	79.2
	Minimum	48	55	60	63	62	65	65	65	65	65	59	60	50	50	60	56	58	59	49	60	60	61	62	63	67	65	64	65	66	66	66	60.6
Meriwether	Maximum	85	87	90	90	84	....	90	90	90	84	83	80	80	80	81	89	90	80	85	86	74	74	84	86	90	80	86	90	89	89	86	[a]85.1
	Minimum	60	52	48	61	45	...	63	62	60	58	53	54	55	49	48	49	61	60	60	60	49	47	51	58	60	62	60	61	62	60	63	[a]56.4
Monetta	Maximum	79	79	86	88	85	84	83	86	83	80	78	76	73	71	81	84	84	83	83	79	71	71	81	85	82	78	86	88	83	86	86	82.5
	Minimum	61	55	53	63	61	61	65	66	65	64	55	58	53	51	54	58	63	61	62	62	50	49	54	59	68	64	64	67	68	65	65	60.1
Newberry	Maximum	75	80	86	90	84	84	85	86	85	83	77	74	67	70	83	85	89	83	82	75	68	65	83	86	78	80	89	90	85	89	87	81.4
	Minimum	62	51	52	52	66	65	67	67	66	64	61	58	51	51	53	57	62	60	61	63	51	50	55	58	58	67	65	65	69	64	65	59.9
Saluda	Maximum	75	81	86	88	83	85	85	88	83	82	80	75	68	72	84	87	87	82	83	76	73	73	81	85	83	77	87	88	84	85	85	81.6
	Minimum	62	52	47	62	65	63	65	63	66	62	65	51	53	50	51	61	60	58	57	62	50	50	52	58	64	64	63	64	67	62	63	59.2
Santuck	Maximum	84	78	84	88	81	82	84	86	84	81	74	73	66	71	80	84	85	81	81	77	72	72	81	85	75	81	93	92	84	89	96	81.4
	Minimum	53	53	53	57	55	64	65	64	64	63	61	59	49	50	53	56	63	57	59	64	50	49	54	58	65	64	65	64	69	63	64	58.9
Spartanburg §§	Maximum	74	80	85	88	87	84	85	84	83	84	80	75	68	70	80	85	84	80	78	78	77	73	80	86	83	83	87	89	85	88	91	81.7
	Minimum	53	52	50	50	56	63	63	62	62	62	60	51	48	49	49	50	50	55	55	56	49	47	47	52	55	63	65	64	64	64	63	55.8
Trenton	Maximum	70	84	84	86	87	83	82	86	84	79	78	76	72	72	81	84	....	...	81	84	84	70	79	83	84	78	...	....	89	87	86	[d]81.2
	Minimum	60	54	54	64	65	66	66	66	65	64	57	57	53	52	55	56	....	...	51	50	50	60	57	60	64	64	...	...	66	68	66	[d]59.6
Walhalla	Maximum	77	80	82	87	77	76	80	82	80	80	77	73	68	71	78	81	79	79	78	75	70	67	78	81	80	81	83	87	78	85	85	78.5
	Minimum	55	47	46	53	60	61	64	60	64	58	51	62	51	50	50	53	55	48	54	62	46	42	50	55	63	65	62	63	67	68	67	56.5
Winnsboro	Maximum	....	...	...	...	...	....	84	....	69	84	84	83	81	74	...	....	71	82	79	73	72	80	84	73	80	83	87	83	86	87	....	[j]80.0
	Minimum	...	...	...	...	...	...	....	56	....	58	57	56	58	51	48	....	....	....	...	...	50	55	58	55	62	67	66	68	65	65	66	[m]58.9
Winthrop College	Maximum	70	79	83	85	83	79	83	85	80	81	80	75	71	71	80	83	83	81	81	80	71	71	80	80	79	78	85	90	86	91	91	80.5
	Minimum	56	54	55	59	64	65	64	64	62	64	60	57	49	50	54	60	63	56	57	64	52	49	55	59	64	62	64	65	67	63	66	59.5

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.



Based on 850 records

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CLIMATOLOGICAL DATA

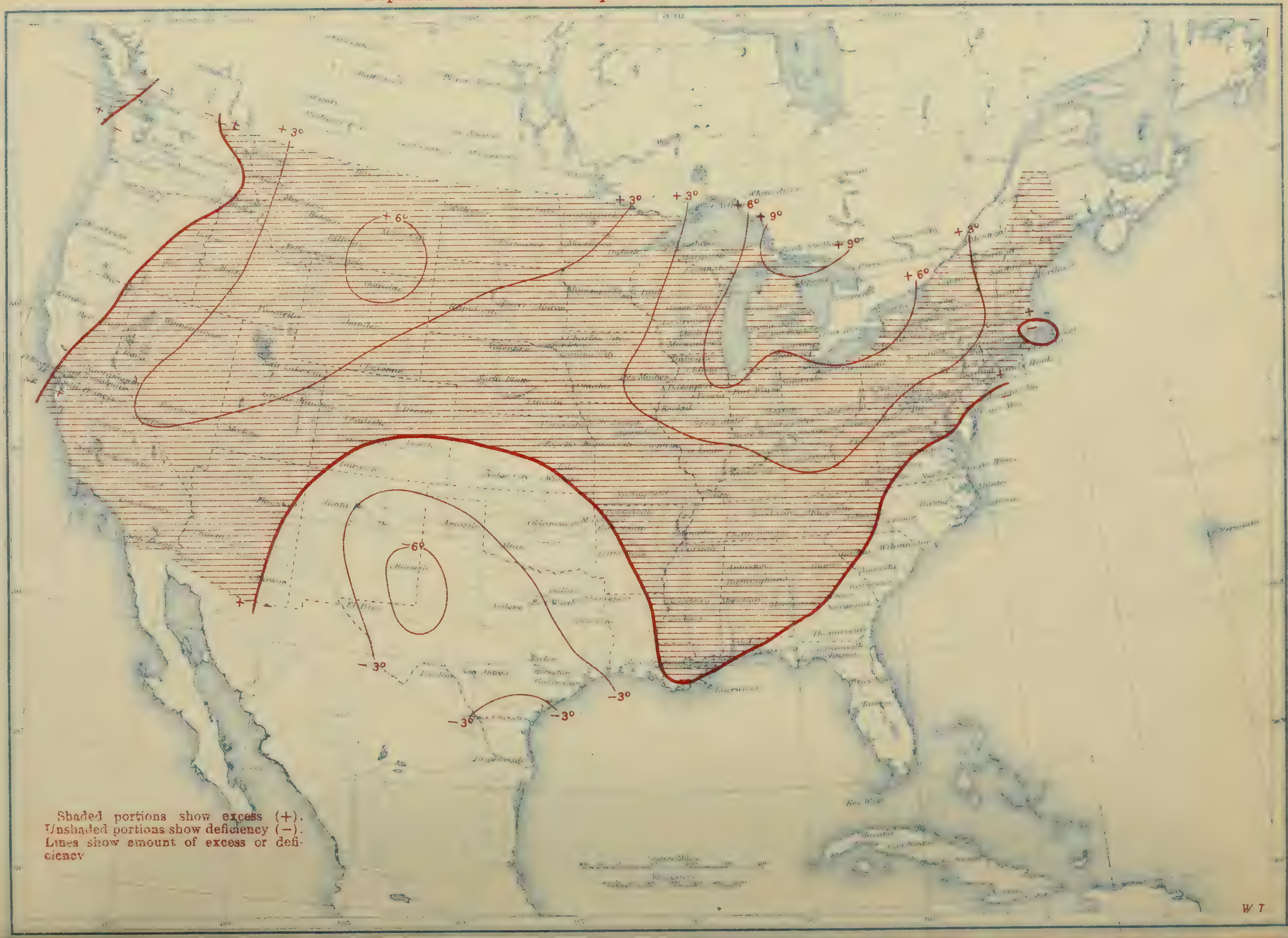
SOUTH CAROLINA SECTION

JUNE, 1919

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
July 23, 1919

Departure of the Mean Temperature from the Normal, June, 1919.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN. Meteorologist.

Vol. XXII. Columbia, S. C., June, 1919 No. 6.

GENERAL SUMMARY.

Thermal conditions ranged near the seasonal average until the last week, when the daily means were below normal. Precipitation was above the average and was badly distributed in amount, with excessive rainfall in considerable sections of the southern and western counties.

Much needed cultivation against the accumulated grass of the preceding month was largely accomplished during the first week. The wheat, oat, and rye harvests, which extended to the up-State limits early in the month, were practically completed by the 25th, and the stubble lands were then turned to late corn, some late cotton, and peas. Tobacco had improved sufficiently in growth for curing to begin about the close of the month. Much of the early corn was laid by in good condition during the last week, and the intermediate and late crops were much improved. Cotton chopping was practically completed during the last week, and the crop as a whole maintained good to excellent condition, according to cultivation and availability of labor; the weevil caused considerable damage in the lower Savannah watershed during the month; the first bloom was observed at The Hermitage, in southwestern Bamberg County, on the Salkahatchie River, on the 10th. The intermittent showers between the first and last weeks were generally insufficient in amount for best crop development, although cultivation was pushed to a maximum wherever possible. Copious to heavy rains between the 24th and 27th were followed by general crop improvement, although the weather was too cool for rapid growth. The month closed with the growing season 1 to 2 weeks late.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 30.07 inches. The highest pressure in the region covered by reports was 30.42 inches at Charlotte, N. C., on the 13th, and in the Section proper, 30.40 inches at Columbia and Greenville on the same date; the lowest pressure was 29.67 inches at Wilmington, N. C., on the 28th, and in the Section proper, 29.71 inches at Charleston on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 45 stations, was 76.4°, or 1.1° below the established normal. The highest temperature was 101° at Society Hill, Darlington County, on the 21st. The warmest periods were generally about the 7th and 8th and the 21st and 22d. The lowest temperature was 46° at Walhalla, Oconee County, on the 7th. The coolest period of the month was generally between the 14th and 16th, but low temperatures were recorded on various dates in the first and last parts of the month.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 82%; 8 p. m., 72%. The highest percentages occurred over the southern coast counties, and the lowest, over the north-central interior.

PRECIPITATION.

The average for the Section, 55 stations reporting, was 5.97 inches, or 0.98 inch above the established normal. Copious rains fell throughout the State between the 4th and 7th and the 24th and 27th, while in the intervening period the amounts from intermittent showers were relatively small and insufficient for satisfactory crop development. The monthly total amounts were above normal over the southern and western parts of the State, where the measurements ranged from 5 to over 11 inches; in considerable areas extending from the Catawba watershed to the Congaree watershed and thence over the northeastern counties, the amounts ranged from 4 inches downward to less than 3 inches. The greatest local monthly amount was 11.99 inches at Walhalla, Oconee County, and the least local monthly amount was 1.49 inches at Darlington, Darlington County. The greatest amount during any 24 hours at any station was 5.55 inches at Monetta, Saluda County, on the 24th. The number of rainy days averaged about normal.

Hailstorms.—On June 8th a hailstorm moved eastward over the northern part of York County, attended by damage to crops estimated at $57,500 in a path 1.5 miles wide and 12 miles long. On the 9th, another hailstorm in the central part of York County caused crop damage approximating $35,000 in a path 0.5 mile wide and 3 miles long. The hailstones ranged in size from peas to 1 inch in diameter. The most destructive hailstorm of the month began in eastern Richland County during the afternoon of the 8th and extended eastward over southern Sumter and northern Clarendon Counties. The greatest length of the hail area was 50 miles, and the greatest width, 25 miles. In an area embracing 5 by 20 miles along the Sumter-Clarendon County line, the damage was estimated at $262,000, The hailstones ranged in size from small marbles to hen-eggs.

WIND.

The prevailing wind was from the east. The average hourly velocity, determined from 8 anemometer records, was 7.1 miles. The highest average velocity was 11.1 miles per hour at Charleston; the lowest average was 4.3 miles per hour at Charlotte, N. C., and in the Section proper, 5.9 miles per hour at Columbia. The highest velocity for any 5-minute period was 44 miles per hour from the northeast at Charleston on the 4th and from the northwest at Augusta, Ga., on the 8th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 234.7 hours, or 54% of the possible amount. The average number of clear days was 11; partly cloudy, 9, and cloudy, 10, as against normals of 12, 11, and 7 days, respectively.

RIVER CONDITIONS.

Moderate freshets occurred in the Wateree and Santee Rivers after the heavy rains between the 25th and 27th, and the Santee River continued in flood at the close of the month. Unavoidable losses approximated $1.050, and the value of movable property saved by timely warnings was estimated at $76.000.

MISCELLANEOUS DATA FOR JUNE, 1919.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.10	70.3	86	55	4.05	0.95	6.1	se.	88	74	56
Augusta, Ga........	30.05	78.0	95	59	7.05	2.27	5.1	e.	84	74	57
Charleston, S. C...	30.06	77.4	92	64	6.33	3.19	11.1	e.	77	76	61
Charlotte, N. C ...	30.08	75.8	94	57	2.43	0.90	4.3	ne.	80	66	52
Columbia, S. C....	30.07	77.6	96	58	2.65	1.72	5.9	e.	80	64	48
Greenville, S. C...	30.06	75.3	93	59	3.99	1.14	6.9	ne.	80	68	55
Savannah, Ga.....	30.05	77.2	92	64	6.98	2.94	10.1	e.	83	80	46
Wilmington, N. C.	30.09	74.0	92	57	4.25	2.05	7.1	e.	84	76	61
Means and extremes......	30.07	75.6	96	55	4.72	3.19	7.1	e.	82	72	54

Climatological Data for June, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	30	76.8	−2.2	94	8	61	†22	27	8.17	+2.67	2.00	0	12	5	12	13	n.	R. B. Vance.
Blackville	Barnwell	296	30	77.4	−2.1	96	† 7	58	14	34	5.23	−0.39	2.50	0	10	12	6	2	......	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	18	75.3	−2.7	95	21	60	†15	35	4.00	−1.74	1.76	0	9	14	11	5	e.	B. O. Evans.
Charleston	Charleston	48	48	77.4	−1.1	92	21	64	14	22	6.33	+0.94	3.19	0	10	11	5	14	e.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	29	75.9	−1.5	99	21	49	15	43	4.08	−1.18	2.23	0	4	....	....	....	......	Roland D. Powe.
Conway	Horry	25	33	75.4	+1.7	97	21	56	14	34	3.34	−1.73	0.87	0	11	9	1	20	se.	Paul Quattlebaum.
Darlington	Darlington	175	24	^{b}76.0	−0.9	^{b}94	† 1	^{a}52	23	^{b}38	1.49	−4.24	0.55	0	6	20	4	6	......	D. C. McCall.
Edisto ‡‡	Bamberg	143	31	......	......	......	......	......	......	....	5.41	−1.18	1.12	0	9	....	....	....	......	Nathan Jenkins.
Effingham	Florence	106	26	......	......	......	......	......	......	....	4.25	−2.10	1.20	0	6	....	....	....	......	Wm. B. Gillespie.
Ferguson	Orangeburg	63	33	^{i}74.2	−2.9	^{i}93	7	56	†14	^{i}26	6.03	+0.19	1.38	0	11	9	10	11	ne.	Henry C. Savage.
Florence 1	Florence	136	30	77.0	−1.7	98	21	55	14	38	3.17	−2.24	0.98	0	7	15	5	10	ne.	H. K. Gilbert.
Florence 2	.....do	136	4	......	......	......	......	......	......	....	2.94	−2.47	1.02	0	6	23	2	5	e.	Pee Dee Experiment Sta.
Garnett	Hampton	82	1	77.8	......	96	21	55	14	39	9.13	....	2.80	0	16	5	15	10	ne.	Maner B. Robert.
Georgetown	Georgetown	12	24	80.2	−1.6	96	21	64	1	23	4.77	−1.12	1.80	0	5	21	3	6	n.	A. P. Hazard.
Kingstree	Williamsburg	54	30	76.6	−1.5	97	21	54	14	34	5.20	−0.22	1.33	0	7	21	1	8	se.	W. H. Matthews.
Oaks	Georgetown	......	4	^{b}75.0	......	^{b}96	21	^{b}55	14	^{b}33	4.02	....	1.52	0	10	15	7	8	se.	O. M. Mitchell.
Orangeburg	Orangeburg	264	3	^{d}77.5	......	^{a}98	21	^{d}53	14	^{d}39	4.54	....	1.21	0	7	....	....	....	......	U. S. Fisheries Station.
Paris Island	Beaufort	13	1	78.5	−0.8	93	22	64	14	23	10.87	+5.80	3.04	0	12	18	3	9	e.	U. S. Marine Corps.
Pinopolis **	Berkeley	54	69	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	Miss E. P. Ravenel.
Rimini	Clarendon	97	5	......	......	......	......	......	......	....	6.35	....	2.03	0	10	....	....	....	......	William B. Wolfe.
St. George	Dorchester	109	30	75.8	−2.8	97	22	53	14	35	5.30	−0.13	1.30	0	11	20	0	10	sw.	Miss Alma T. Whiteside.
St. Matthews	Calhoun	62	23	77.0	−0.8	99	21	55	14	34	6.94	+0.97	3.00	0	9	16	8	6	w.	J. S. Wannamaker.
Society Hill	Darlington	192	27	76.9	−0.2	101	21	51	14	42	2.77	−3.06	0.80	0	10	18	3	9	e.	A. H. Rogers.
Summerville	Dorchester	75	21	^{a}75.8	−1.6	92	7	^{a}56	14	^{a}28	6.99	+0.23	1.60	0	11	4	18	8	e	Miss E. H. Gadsden.
Walterboro	Colleton	69	16	^{c}76.0	−2.4	^{d}93	7	^{c}53	14	^{c}36	8.32	+2.14	2.11	0	10	18	1	11	......	J. N. Frank.
Yemassee	Hampton	24	23	76.3	−2.3	94	7	54	14	34	9.33	+3.15	1.98	0	12	14	1	15	e.	W. C. Hutson.
Division means and	extremes	......	....	76.6	−1.4	101	21	49	15	43	5.72	−0.18	3.19	0	10	14	6	10	e.	
Western Portion.																				
Aiken	Aiken	527	58	78.0	+0.4	95	8	59	14	32	10.66	+5.99	1.87	0	12	18	0	12	e.	Frank B. McCoy.
Anderson	Anderson	764	23	^{i}76.4	0.0	93	† 7	^{i}60	30	^{i}28	5.05	+0.36	1.97	0	15	16	2	12	e.	H. H. Russell.
Batesburg	Lexington	656	30	76.8	−1.0	95	21	60	†14	28	7.57	+2.49	2.35	0	10	9	11	10	e.	E. J. Hite.
Blairs	Fairfield	293	16	......	......	......	......	......	......	....	3.39	−1.65	1.75	0	7	....	....	....	......	J. N. Owens.
Calhoun Falls	Abbeville	508	26	76.9	......	95	8	57	14	36	5.04	+0.17	1.69	0	10	9	10	11	s.	L. M. Parker.
Camden	Kershaw	222	59	76.6	−1.2	100	21	57	14	33	3.95	−0.56	0.84	0	10	16	6	8	se.	W. C. Brown.
Catawba	York	562	15	......	......	......	......	......	......	....	3.17	−2.26	1.35	0	6	....	....	....	......	James C. Faris.
Chappells	Newberry	402	15	......	......	......	......	......	......	....	6.35	+2.07	2.27	0	8	....	....	....	......	J. J. Murran.
Clemson College	Oconee	850	27	72.6	−3.2	88	16	60	† 1	25	9.15	+4.21	3.40	0	8	25	1	4	e.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	32	77.6	−0.6	96	21	58	14	31	2.65	−1.53	1.72	0	9	7	11	12	e.	U. S. Weather Bureau.
Edgefield	Edgefield	......	5	......	......	......	......	......	......	....	7.40	....	2.00	0	10	....	....	....	....	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	6	......	......	......	......	......	......	....	5.69	+0.42	1.17	0	12	....	....	....	......	S. C. Lt., Power & Ry. Co.
Greenville	Greenville	1039	26	75.3	+0.9	93	21	59	30	28	3.99	−1.28	1.14	0	12	3	18	9	ne.	U. S. Weather Bureau.
Greenwood	Greenwood	671	30	75.2	−2.6	93	21	61	†14	28	10.07	+5.77	4.75	0	13	14	0	16	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	18	76.0	−1.1	96	8	56	†14	35	6.02	+0.41	3.48	0	8	3	21	6	e.	J. Marvin Bowers.
Kershaw	Kershaw	500	3	76.6	......	97	21	53	14	39	5.48	....	1.66	0	10	19	3	8	e.	John W. Hamel.
Landrum	Spartanburg	1063	4	74.7	......	97	21	57	† 9	35	4.91	....	2.11	0	11	11	16	3	......	R. Hartwell Wilds, D.D.S.
Laurens	Laurens	589	1	^{a}74.7	......	^{a}93	21	^{a}55	14	^{a}35	10.13	....	3.45	0	8	16	0	14	......	Perry A. Simpson.
Liberty	Pickens	900	20	^{c}77.0	−0.7	^{c}95	7	60	† 2	^{a}34	6.09	+0.69	2.50	0	13	5	20	5	e.	John T. Boggs.
Little Mountain	Newberry	711	26	77.0	−0.9	96	8	60	†29	34	3.34	−1.27	1.50	0	9	14	4	12	s.	J. M. Sease, M. D.
Meriwether	McCormick	450	16	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	Mrs. Marie R. Middleton.
Monetta	Saluda	400	12	77.1	−0.1	96	15	58	14	38	10.40	+4.72	5.55	0	9	5	18	7	e.	Joseph M. Johnson.
Newberry	Newberry	502	16	77.8	−0.6	98	† 8	55	14	39	4.86	+0.50	2.70	0	12	1	17	12	e.	Warren G. Peterson.
Pelzer	Anderson	850	15	......	......	......	......	......	......	....	4.82	+0.30	2.52	0	10	....	....	....	......	Joshua Y. Jones.
Saluda	Saluda	536	18	76.2	−1.8	96	21	53	15	38	8.88	+3.86	3.35	0	10	15	7	8	e.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	26	^{a}77.4	+0.7	^{a}99	8	57	14	^{a}35	3.87	−0.36	1.51	0	11	7	15	9	se.	E. W. Jeter.
Spartanburg	Spartanburg	875	36	76.6	+0.5	97	21	59	14	^{a}33	5.39	+0.58	1.30	0	11	....	....	....	......	F. P. Robinson.
Trenton	Edgefield	620	30	76.9	−1.6	94	21	58	14	34	6.65	+1.98	2.45	0	8	8	12	10	se.	Mrs. S. E. Long.
Walhalla	Oconee	1061	16	75.2	+0.6	95	7	46	7	49	11.99	+6.79	4.86	0	14	7	17	16	ne.	H. W. Brandt.
Winnsboro	Fairfield	545	28	^{b}75.6	−1.1	^{a}96	7	^{b}55	13	^{b}35	4.44	+0.06	1.88	0	10	8	13	9	se.	Rev. Oliver Johnson.
Winthrop College ‡‡	York	690	19	77.6	+1.6	97	7	59	30	34	4.00	−1.38	1.25	0	5	4	23	3	s.	W. P. Goodman.
Division means and	extremes	......	....	76.3	−0.7	100	21	46	7	49	6.18	+1.30	5.55	0	10	10	11	9	e.	
Section means and	extremes	......	....	76.4	−1.1	101	21	46	7	49	5.97	+0.98	5.55	0	10	11	9	10	e.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Blacksburg; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for June, 1919.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ||||	Savannah				.75	.52	.05	.25		.20			.15					.30							.30	1.00	2.00	1.75	.30				8.17
Blackville ||||	Edisto				.15	1.20	.10	.10		.10								.20							.78	2.50	.10	.75					5.23
Bowman	do				1.76	.32			T.			.15	T.				T.							.22	.51	.30	.28	.30	.16				4.00
Charleston ***	Coast				3.18	.01	T.					.04	.02				T.						.08	T.	.86	.09	.72	.92	.41				6.33
Cheraw ||||	Pee Dee						.40			.61								T								.84		2.23	T.				4.08
Conway ||||	Waccamaw					.15		.87		.15		.70											.23	.05		.52	.08	.40	.17	.02			3.34
Darlington ||||	Pee Dee					.41	.55	.03		.10								.10									.30						1.49
Edisto ||||	Edisto				.50	.62	.32			.09			.36												.52	.96	1.12	.92					5.41
Effingham ||||	Lynches					.63	1.16		T.	T.													.41			1.20	T.	.47	.38				4.25
Ferguson ||||	Santee				.08	1.38	1.15			.21			.53					T.					.16		.01	.83	.43	1.16	.09				6.03
Florence 1 ||||	Pee Dee					.44	.12			.08													.64			.98	.22	.69					3.17
Florence 2 ||||	do					.40	.10																.66			1.02	.07	.69					2.94
Garnett	Savannah			.25	2.80	.20	.12			.70		.55	.55				.02		.03				.01	.50	.48	.03	2.42	.44	.03				9.13
Georgetown	Coast				1.15							T.											.62			1.80	.30	.90					4.77
Kingstree ||||	Black					.56	1.20			.05			T.													1.33	1.00	.38	.68				5.20
Oaks	do				1.52	.27			T.		T.	T.	T.				T.		.18			.01	.31		.18	.72	.22	.57	.04				4.02
Orangeburg	Edisto				*	1.21							.40												.16	1.20	.65	.64	.28				4.54
Paris Island	Coast			.03	3.04	1.04							1.04											.03	2.22	.85	.09	1.03	.02	1.45	.03		10.87
Pinopolis	Cooper																																......
Rimini ||||	Santee					.65	.60			.80			.04					.03					.80		.08	1.28		2.03	.04				6.35
St. George ||||	Edisto				.65	.60	.56			.11			.36	.01											.05	.61	.93	1.30	.12				5.30
St. Matthews ||||	Santee					.10	1.43			.27								.02					.20		1.10	3.00	.60	.22					6.94
Society Hill ||||	do					.11	.14	.08		.54							.07						.02			.80	.16	.60	.25				2.77
Summerville	Ashley				1.60	1.10	T.	.12		.03	T.	.35	.45				T.			T.			.03	T.	.71	.28	1.05	1.27	T.				6.99
Walterboro	Ashepoo					2.11			.14			.38								1.10		.07		.17	1.07	1.09	.96	1.23					8.32
Yemassee ||||	do				1.47	.81	.12						.14	.64										.34	1.40	1.82	.16	2.00	.08	.35			9.33
Western Portion.																																	
Aiken	Edisto				1.17	1.87	.33			.81							.32	.79					1.41		.45	.91	1.10	1.41	.09				10.66
Anderson	Savannah				.10	.37			.05	.66	.04	.08	.51	.03				.05	.16					.05	.52	1.97	.16	.30					5.05
Batesburg ||||	Edisto				T.	.43	.38						.02					T.		.01			.06	.98	1.62	2.35	.96	.76					7.57
Blairs ||||	Broad													.56						.04			.60		1.75	.32	.10	.02					3.39
Calhoun Falls ||||	Savannah					.72	.47		.20			T.	T.						.24				.21		.10	1.23	.21	1.43	.23				5.04
Camden ||||	Wateree					.30	.35			.11								.05					.10	.40	.29	.84	.72	.79					3.95
Catawba ||||	Catawba					.30												.20							.55	.34	.43	1.35					3.17
Chappells ||||	Saluda					1.05	.20					.66											.30		1.50	2.27	.09	.28					6.35
Clemson College	Savannah					.79												.69	.10				.58	.20	1.65	3.40	1.74						9.15
Columbia ***	Congaree				.15	T			T.			T.	T.				.18					.16	.03	.30	1.47	.16	.12	.08					2.65
Edgefield ||||	Savannah					2.00	.90							.25					.48	.18				2.00	.48	.28		.78	.05				7.40
Gaston Shoals ||||	Broad					.13				.99				.30		.48			1.33	.05			.03	.24	1.17	.37	.45	.15					5.69
Greenville ***	Saluda				.01	.03			T.	.04			.85		T.			.40	.07	T.			.04	.82	.53	.99	.09	.12					3.99
Greenwood ||||	do					.71	1.05					.25	.15	.09				.11	.05				.41		4.75	1.14	.16	.44	.76				10.07
Heath Spring	Wateree				.20	.35			.05	.22							.16					.20			1.36		3.48						6.02
Kershaw ||||	Lynches					.30	1.66			.56						.09		.06					.68		.46	1.06	.06	.55					5.48
Landrum	Broad									.12	.10		.26				.08	.15			.03		.16	2.11	1.20	.15	.55						4.91
Laurens ||||	Saluda					1.38									.89			.02				1.32			1.50	3.45	.50	1.07					10.13
Liberty	Savannah				.10				.02	T.			1.13			T.	.01	.02	.01		.10	.02	.04	.25	1.85	2.50	T.	.04					6.09
Little Mountain	Saluda				.16	.06							.04			.04			.75				.20		1.50	.42	.17						3.34
Meriwether	Savannah																																......
Monetta	Edisto				.55	2.35	.10				T.						T.						.13	.12	5.55	1.06	.35	.19					10.40
Newberry	Saluda				.12	.32			T.	.11	T.		.10					.27	.25				.12	.10	2.70	.60	.10	.07					4.86
Pelzer ||||	do					.14	.10			.20	.20								.06	.04				T.	2.52	.68	T.	.68	.20				4.82
Saluda	do				.96	.56						1.25						.14					.70	.85	3.35	.80	.15	.12					8.88
Santuck	Broad				T.	.20							.24				T.	.08	.12			.52	.56	1.51	.42	.09	.10	.03					3.87
Spartanburg ||||	do					.12	.05		T.	T.		T.		.32		.05			.50		.04			.81	1.30	.98	.12		1.10				5.39
Trenton	Edisto				2.45						T.	.10	T.				T.	.11					1.40	T.	.90	.54	.75	.40					6.65
Walhalla	Savannah				.05	.07				.32	.16		1.30					.12	1.07		.05		.04	4.86	.92	1.74	.31	.98					11.99
Winnsboro	Broad				.19	.08			T.				.07				.42	T.	.83	T.		.03	.03	1.88	.45	.06	.40	T.					4.44
Winthrop College	Catawba												1.10									.55			1.00		.10	1.25					4.00

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡Separate dates of falls not recorded. T. Trace, or less than 0.01 inchs

COMPARATIVE DATA FOR JUNE.

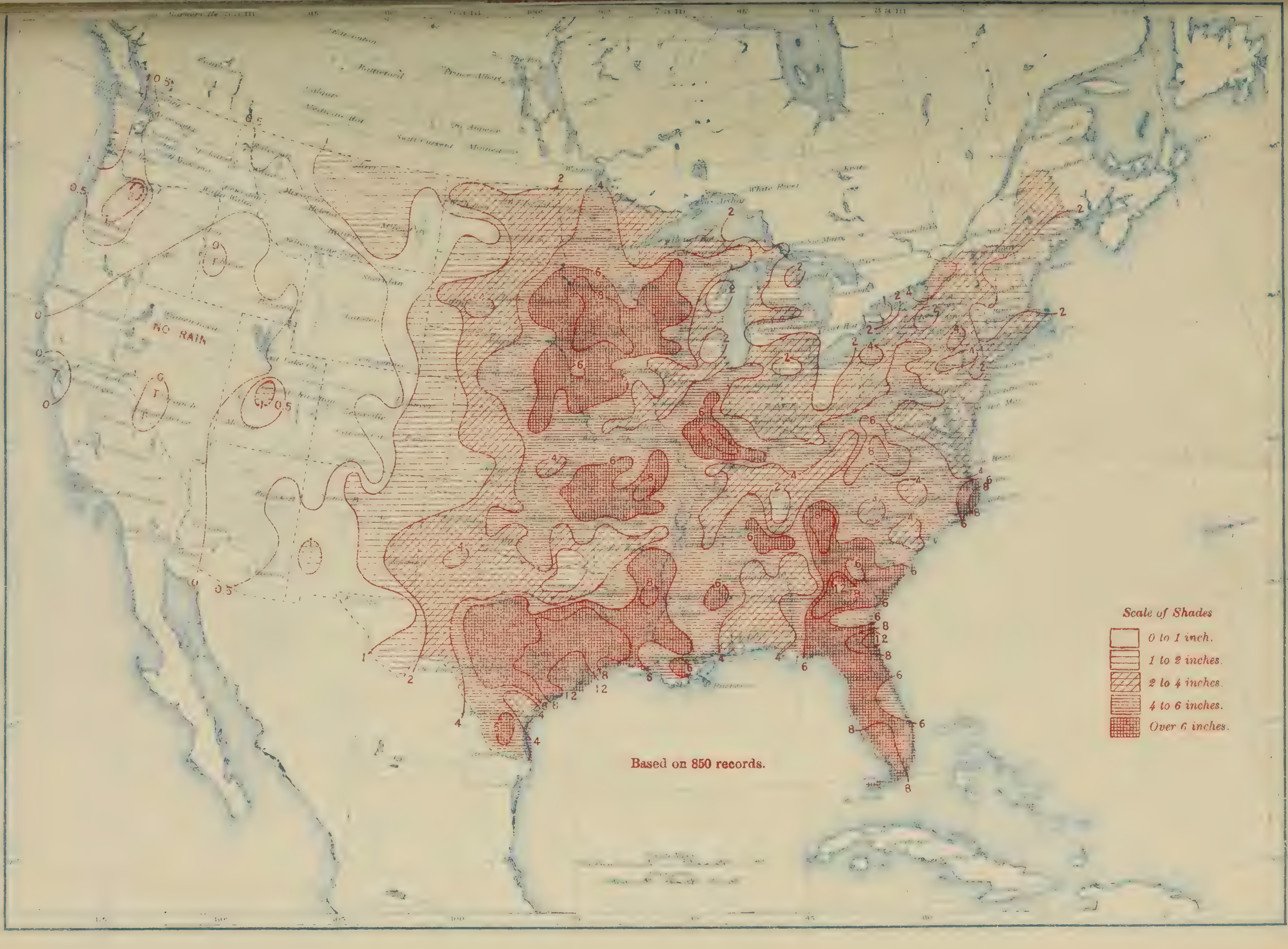
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.	Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.			Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	77.9	107	44	3.53	8					1905	78.9	101	43	1.92	6	6	14	10	e.
1888	78.1	102	51	2.73	7				sw.	1906	78.4	102	52	8.88	12	13	8	9	sw.
1889	74.4	99	39	5.10	10				se.	1907	75.8	99	50	5.92	10	12	13	5	sw.
1890	80.9	103	56	2.41	8				sw.	1908	76.6	100	48	4.90	9	13	13	4	ne.
1891	79.3			3.20						1909	79.2	105	58	6.87	12	10	14	6	sw.
1892	75.1	99	53	5.25					sw.	1910	75.5	98	46	7.78	13	10	11	9	sw.
1893	76.5	96	53	7.64	12	10	11	9	se.	1911	80.9	106	54	3.42	8	14	12	4	sw.
1894	77.0	105	41	3.91	8	13	12	5	sw.	1912	75.5	101	48	5.68	9	13	7	10	sw.
1895	78.2	105	50	3.04	8	13	13	4	sw.	1913	76.2	105	40	5.53	12	15	9	6	sw.
1896	77.9	102	52	5.42	12	11	12	7	sw.	1914	81.1	108	50	3.80	8	14	12	4	sw.
1897	79.2	103	49	5.44	12	10	13	7	sw.	1915	76.0	103	49	4.26	9	14	10	6	s.
1898	79.7	105	55	4.15	8	17	10	3	sw.	1916	76.4	100	48	5.12	11	12	11	7	sw.
1899	79.4	105	48	3.89	8	14	10	6	sw.	1917	76.9	102	43	4.49	8	16	10	4	sw.
1900	76.2	97	52	7.94	14	4	15	11	sw.	1918	77.0	106	50	3.44	7	15	9	6	ne.
1901	76.7	102	48	6.55	12	9	12	9	sw.	1919	76.4	101	46	5.97	10	11	9	10	e.
1902	78.5	105	52	4.48	9	15	10	5	sw.										
1903	74.2	96	42	8.09	14	11	10	9	sw.	Period	77.5	108	39	4.99	10	12	11	7	sw.
1904	77.0	102	48	4.06	8	18	7	5	sw.										

Daily Temperatures for June, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale	Maximum	86	87	84	80	75	84	90	94	92	89	90	89	84	85	90	93	80	90	89	91	90	85	84	83	82	81	91	87	86	76	....	86.2
	Minimum	71	70	69	70	70	71	70	71	65	67	70	69	66	65	65	70	67	67	65	70	67	61	64	62	63	61	70	71	67	64	....	67.3
Blackville	Maximum	89	86	82	82	77	91	96	96	92	92	91	85	88	92	94	88	91	93	92	94	89	94	76	74	83	89	89	85	76	81	....	87.6
	Minimum	68	66	68	68	68	70	69	69	63	67	67	66	65	58	70	68	68	70	66	62	67	68	70	69	69	70	70	70	66	61	....	67.2
Bowman	Maximum	89	88	82	76	83	90	94	93	94	92	88	82	85	91	90	91	93	94	94	92	95	92	80	75	82	85	85	80	70	78	....	86.8
	Minimum	62	63	64	64	65	65	66	67	62	62	64	65	63	62	60	61	62	64	62	60	63	65	67	68	67	68	67	65	60	60	....	63.8
Charleston	Maximum	81	81	79	77	81	86	86	84	86	84	82	82	79	86	85	85	89	84	83	82	92	86	81	79	80	84	82	86	74	77	....	82.8
	Minimum	75	74	77	72	73	73	73	74	73	73	74	75	70	64	70	70	72	73	71	69	70	75	77	72	73	73	72	74	68	64	....	72.1
Cheraw	Maximum	92	89	86	82	81	89	95	93	89	92	92	88	87	91	92	87	92	94	92	93	99	92	89	77	87	83	88	83	76	82	....	88.4
	Minimum	62	61	63	63	63	62	63	63	73	60	64	64	66	61	49	65	62	61	60	65	61	66	66	62	67	66	71	64	68	62	....	63.4
Conway	Maximum	88	89	83	77	86	85	91	89	90	87	84	84	82	90	90	87	91	89	85	88	97	87	83	79	82	80	84	79	74	80	....	85.3
	Minimum	64	64	68	63	70	69	67	70	63	66	68	68	62	56	62	62	61	63	65	62	64	69	63	68	70	72	71	69	63	59	....	65.4
Darlington §§	Maximum	94	90	90	79	78	89	94	92	90	89	90	86	90	84	88	73	87	89	82	82	93	88	93	....	83	87	83	88	92	....	....	^{b}87.3
	Minimum	63	64	66	64	67	68	63	71	61	65	69	70	62	71	65	65	58	63	69	65	68	55	52	67	....	72	63	59	62	65	....	^{a}64.6
Ferguson §§	Maximum	85	86	78	74	79	86	93	86	....	....	....	80	80	....	....	....	....	....	....	89	91	90	80	79	84	87	82	76	70	76	....	^{i}82.4
	Minimum	65	66	69	69	69	71	68	72	61	67	68	66	65	56	58	56	65	65	64	63	65	69	69	70	70	72	70	71	61	61	....	66.1
Florence 1	Maximum	93	90	88	78	84	88	95	94	92	93	92	91	86	92	93	88	95	96	91	96	98	89	85	78	84	82	83	83	70	80	....	88.2
	Minimum	66	67	68	66	68	70	65	68	63	65	68	69	64	55	62	65	63	68	67	64	68	68	65	64	67	71	70	70	64	59	....	65.9
Garnett	Maximum	89	87	80	82	87	89	94	94	93	92	88	86	85	88	94	86	92	92	92	91	96	93	81	78	87	92	88	89	75	77	....	87.9
	Minimum	71	71	70	70	71	71	69	69	66	66	70	69	66	55	64	66	66	65	65	65	63	69	70	71	70	70	71	70	67	64	....	67.7
Georgetown	Maximum	82	80	83	82	90	92	91	91	90	92	86	84	83	91	90	88	93	92	86	88	96	88	84	82	86	82	87	82	76	80	....	86.6
	Minimum	64	67	74	77	78	70	74	78	74	77	76	75	69	71	71	75	77	76	73	75	73	75	77	76	79	78	76	75	69	67	....	73.9
Kingstree	Maximum	84	87	87	75	86	88	94	92	96	95	87	87	84	86	90	86	92	91	89	92	97	89	85	79	86	87	86	83	76	80	....	87.2
	Minimum	65	68	68	67	69	71	66	70	62	65	68	67	64	54	64	61	62	65	65	61	64	70	67	70	70	72	70	70	63	60	....	65.9
Oaks	Maximum	88	86	85	76	83	87	91	....	89	....	88	86	82	88	89	86	91	89	85	89	96	86	86	82	80	80	82	82	75	78	....	^{b}85.2
	Minimum	62	62	67	67	70	71	....	67	62	64	....	67	63	55	62	60	61	65	65	62	62	62	66	68	68	70	70	70	65	61	....	^{b}64.8
Orangeburg	Maximum	....	89	85	76	85	90	96	94	94	94	89	87	88	92	94	93	94	94	93	93	98	95	84	77	84	86	86	84	78	80	....	^{a}88.7
	Minimum	....	....	....	....	66	68	70	70	64	66	66	66	65	53	66	64	67	66	67	64	64	69	72	69	70	70	70	70	61	61	....	^{d}66.3
Paris Island §§	Maximum	87	82	81	84	86	87	91	89	89	86	84	85	80	87	90	82	89	89	88	88	93	92	85	80	84	87	89	82	73	76	....	85.5
	Minimum	72	74	74	71	73	74	73	75	74	72	74	75	71	64	67	70	72	71	72	70	70	72	73	70	71	72	72	72	69	65	....	71.5
St. George	Maximum	86	83	82	78	87	87	94	92	91	90	87	85	84	88	90	85	92	91	90	91	96	97	81	77	80	87	84	84	74	77	....	86.3
	Minimum	65	67	66	65	68	66	66	67	62	64	64	63	63	53	60	63	64	63	62	61	63	68	71	71	73	71	70	72	63	61	....	65.2
St. Matthews §§	Maximum	86	84	83	83	85	89	94	92	89	90	88	86	84	89	90	88	89	88	90	92	99	88	80	73	82	86	84	83	74	79	....	86.2
	Minimum	67	67	68	69	69	70	72	72	64	69	68	67	65	55	68	67	66	68	67	66	68	70	71	70	69	71	71	72	65	61	....	67.7
Society Hill §§	Maximum	92	90	86	79	82	91	96	94	89	90	91	88	85	93	91	87	94	94	90	94	101	92	88	77	85	85	86	84	76	81	....	88.4
	Minimum	62	64	65	64	69	69	64	70	60	68	66	69	63	51	66	65	61	65	67	63	69	68	64	68	68	73	70	69	64	58	....	65.4
Summerville	Maximum	86	83	81	79	79	87	92	90	88	89	85	82	82	87	89	86	90	88	87	87	91	90	80	78	80	81	81	84	71	77	....	84.4
	Minimum	70	70	71	70	69	70	69	69	65	67	70	68	65	56	64	63	66	66	65	63	63	70	70	69	70	71	70	....	65	63	....	^{a}67.1
Walterboro	Maximum	....	81	....	88	79	89	93	....	92	90	....	89	83	87	89	84	88	90	88	89	92	90	82	78	80	78	84	85	84	73	....	^{d}85.6
	Minimum	....	69	....	68	69	69	....	....	65	71	....	61	65	53	65	61	65	64	63	64	68	70	72	70	70	70	72	70	60	66	....	^{e}66.4
Yemassee	Maximum	87	86	80	81	85	89	94	92	91	90	84	84	84	88	91	85	91	90	89	89	92	92	83	74	83	87	87	87	74	78	....	86.2
	Minimum	69	68	70	69	70	69	67	67	65	65	69	68	65	54	64	63	66	64	64	62	62	68	70	70	70	68	70	69	64	64	....	66.4
Western Portion.																																	
Aiken	Maximum	87	85	83	80	82	88	92	95	93	90	88	86	84	87	91	88	88	89	89	89	91	91	80	81	81	86	85	86	89	80	....	86.8
	Minimum	68	67	70	68	69	73	71	73	64	69	68	68	66	59	73	67	69	68	74	70	67	68	69	68	70	70	70	75	66	78	....	69.2
Anderson	Maximum	88	88	82	76	81	86	93	92	90	88	87	85	81	88	90	89	83	84	89	91	93	84	78	76	81	81	85	84	77	78	....	84.9
	Minimum	....	....	....	....	....	....	....	....	....	67	67	67	66	68	62	71	69	69	67	70	72	69	70	71	68	70	69	70	65	60	....	^{i}68.0
Batesburg	Maximum	87	87	87	87	84	87	89	91	90	91	89	89	85	88	90	87	87	90	90	90	95	90	78	78	83	83	85	83	81	80	....	86.7
	Minimum	66	65	67	66	67	68	67	70	63	68	67	66	65	60	71	67	68	68	66	67	70	67	69	68	70	69	68	69	64	60	....	66.9
Calhoun Falls §§	Maximum	89	90	85	76	82	86	93	95	90	92	92	89	86	93	92	92	91	90	92	91	93	92	82	81	87	83	89	87	79	81	....	88.0
	Minimum	66	63	63	65	66	65	66	64	63	63	66	66	66	57	61	68	67	69	65	69	69	69	69	67	68	69	68	67	66	63	....	65.8
Camden §§	Maximum	91	92	90	81	89	91	97	95	93	93	87	93	90	94	95	89	96	95	95	96	100	92	86	72	81	86	83	89	79	87	....	86.6
	Minimum	65	68	68	68	69	63	71	71	65	66	69	66	65	57	68	68	69	68	68	65	71	70	71	66	66	64	70	62	59	61	....	66.6
Clemson College	Maximum	76	73	74	76	74	73	80	82	81	85	82	87	88	84	86	88	78	76	87	87	89	87	76	77	78	80	84	83	83	82	....	81.2
	Minimum	60	60	62	65	63	64	66	60	63	63	62	64	65	62	63	64	67	63	61	64	64	65	64	68	64	75	68	68	63	60	....	64.0
Columbia	Maximum	88	86	82	76	86	90	96	93	91	90	89	86	84	89	90	87	90	88	89	90	96	90	79	74	86	82	88	86	77	80	....	86.6
	Minimum	68	68	68	68	69	71	72	69	66	72	68	69	65	58	71	68	70	72	70	70	70	70	68	67	71	70	70	71	65	61	....	68.5
Greenville	Maximum	86	86	81	75	81	87	91	90	89	88	87	83	80	89	88	88	86	85	87	89	93	86	75	73	83	75	83	84	76	77	....	84.0
	Minimum	66	66	66	66	65	67	63	66	64	68	67	66	66	61	72	70	69	68	65	70	69	68	68	66	66	68	68	69	65	59	....	66.6
Greenwood	Maximum	84	82	80	77	76	85	89	91	86	88	85	83	79	87	89	86	85	86	86	88	93	88	80	75	83	79	83	83	79	78	....	83.8
	Minimum	65	62	67	65	64	67	68	70	63	65	66	65	64	61	69	69	70	69	65	68	68	67	68	67	69	69	69	69	65	61	....	66.5
Heath Spring	Maximum	84	88	85	81	80	90	93	96	90	87	86	85	86	88	88	85	89	91	89	90	94	94	90	88	84	83	88	84	84	82	....	87.4
	Minimum	64	64	65	62	64	63	64	65	61	67	66	66	64	56	67	66	64	66	65	66	70	68	66	63	67	70	68	69	58	56	....	64.7
Kershaw	Maximum	92	91	86	79	86	90	94	93	90	90	89	86	86	92	90	85	92	93	91	93	97	88	83	73	86	83	84	86	78	82	....	87.6
	Minimum	63	64	65	62	66	69	70	70	62	68	65	67	64	53	68	65	65	66	66	67	69	68	67	64	69	71	69	69	65	57	....	65.7
Landrum	Maximum	89	88	82	77	82	92	95	91	92	91	89	85	83	91	91	90	88	87	91	93	97	88	86	70	83	80	84	85	78	80	....	86.6
	Minimum	59	60	60	62	64	61	58	58	57	60	61	61	64	57	69	67	64	66	61	67	67	65	66	65	64	72	64	66	63	57	....	62.8
Laurens §§	Maximum	87	88	87	76	79	68	92	87	89	89	88	86	82	90	88	87	88	....	90	89	93	87	78	76	84	79	85	84	77	78	....	^{a}84.5
	Minimum	62	61	64	64	67	65	63	61	64	65	64	64	64	55	56	67	62	68	....	64	67	67	69	69	69	71	69	69	67	62	....	^{a}64.9
Liberty	Maximum	89	90	....	80	86	90	95	93	91	94	....	....	82	91	93	93	89	87	91	95	....	90	78	76	85	....	85	88	82	81	....	^{f}87.8
	Minimum	65	60	65	66	66	66	61	66	64	63	67	66	67	61	72	68	69	68	65	71	68	69	69	68	68	70	68	66	66	60	....	66.3
Little Mountain	Maximum	88	86	84	77	82	87	95	96	95	91	90	84	87	90	92	86	88	89	89	92	95	90	85	78	81	82	86	80	76	73	....	86.5
	Minimum	70	66	66	67	66	61	69	70	70	70	68	67	69	70	71	68	70	68	68	69	69	69	68	68	70	69	68	61	60	60	....	67.5
Meriwether	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Monetta	Maximum	87	84	82	78	86	88	95	95	91	90	95	87	85	90	96	86	90	91	90	91	95	92	80	75	85	83	87	85	81	80	....	87.3
	Minimum	66	60	68	67	68	68	67	68	63	69	70	65	65	58	71	68	69	68	66	67	66	70	69	68	70	69	69	70	64	61	....	66.9
Newberry	Maximum	89	88	85	78	85	91	96	98	95	94	92	88	86	93	94	89	89	89	92	93	98	91	81	75	84	83	89	88	80	82	....	88.5
	Minimum	67	64	67	67	67	69	65	68	62	66	65	66	64	55	70	68	70	70	66	70	68	69	71	69	71	71	70	70	66	61	....	67.1
Saluda	Maximum	87	85	82	76	82	90	94	96	91	91	90	91	86	87	91	86	88	91	92	92	96	92	77	77	86	85	90	87	81	81	....	87.3
	Minimum	63	60	65	66	67	68	63	68	60	66	62	61	63	64	53	65	67	64	65	64	67	69	69	68	70	68	69	68	66	63	....	65.0
Santuck	Maximum	90	93	87	78	85	93	....	99	95	95	92	90	85	91	92	90	91	90	93	96	97	93	78	73	83	81	89	89	80	86	....	^{a}88.8
	Minimum	63	63	64	63	65	65	66	67	69	66	64	64	65	57	69	69	69	68	66	68	69	68	66	66	69	71	69	67	67	59	....	66.0
Spartanburg	Maximum	90	91	85	80	83	82	96	93	92	92	92	88	85	91	92	91	89	92	92	93	97	92	77	71	84	79	87	88	88	79	....	88.0
	Minimum	64	64	64	63	64	64	....	63	61	64	65	65	64	59	68	68	67	68	65	68	68	68	68	66	65	68	67	69	65	60	....	^{a}65.2
Trenton	Maximum	86	85	80	76	78	80	92	93	90	89	89	87	84	88	92	88	89	90	90	92	94	92	79	80	86	80	86	85	85	83	....	86.9
	Minimum	66	68	68	67	68	69	67	70	63	66	66	65	65	58	68	68	68	65	68	68	69	69	69	67	68	67	69	76	63	59	....	66.9
Walhalla	Maximum	87	87	82	77	85	90	95	93	94	89	88	87	82	90	88	91	85	88	88	92	93	90	78	77	82	78	86	85	79	79	....	86.2
	Minimum	63	65	67	66	65	64	46	59	60	61	64	63	67	60	68	65	65	67	64	67	65	66	68	66	68	70	64	66	68	58	....	64.2
Winnsboro	Maximum	86	86	....	....	83	91	92	96	91	86	91	83	82	90	90	85	89	87	87	72	94	87	81	72	84	84	88	82	74	80	....	^{b}85.5
	Minimum	65	65	....	65	65	69	71	62	69	65	67	63	55	59	68	67	69	69	69	69	68	70	66	64	71	69	69	66	58	56	....	^{a}65.8
Winthrop College	Maximum	94	92	86	82	80	93	97	96	90	94	92	89	86	90	91	89	94	95	93	93	96	91	80	70	87	82	88	86	81	84	....	88.7
	Minimum	64	65	63	63	64	65	68	69	62	66	65	69	63	68	69	70	67	68	68	70	68	69	70	62	68	71	68	69	67	59	....	66.0

Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing: For example, ^{b} represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Based on 850 records.

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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

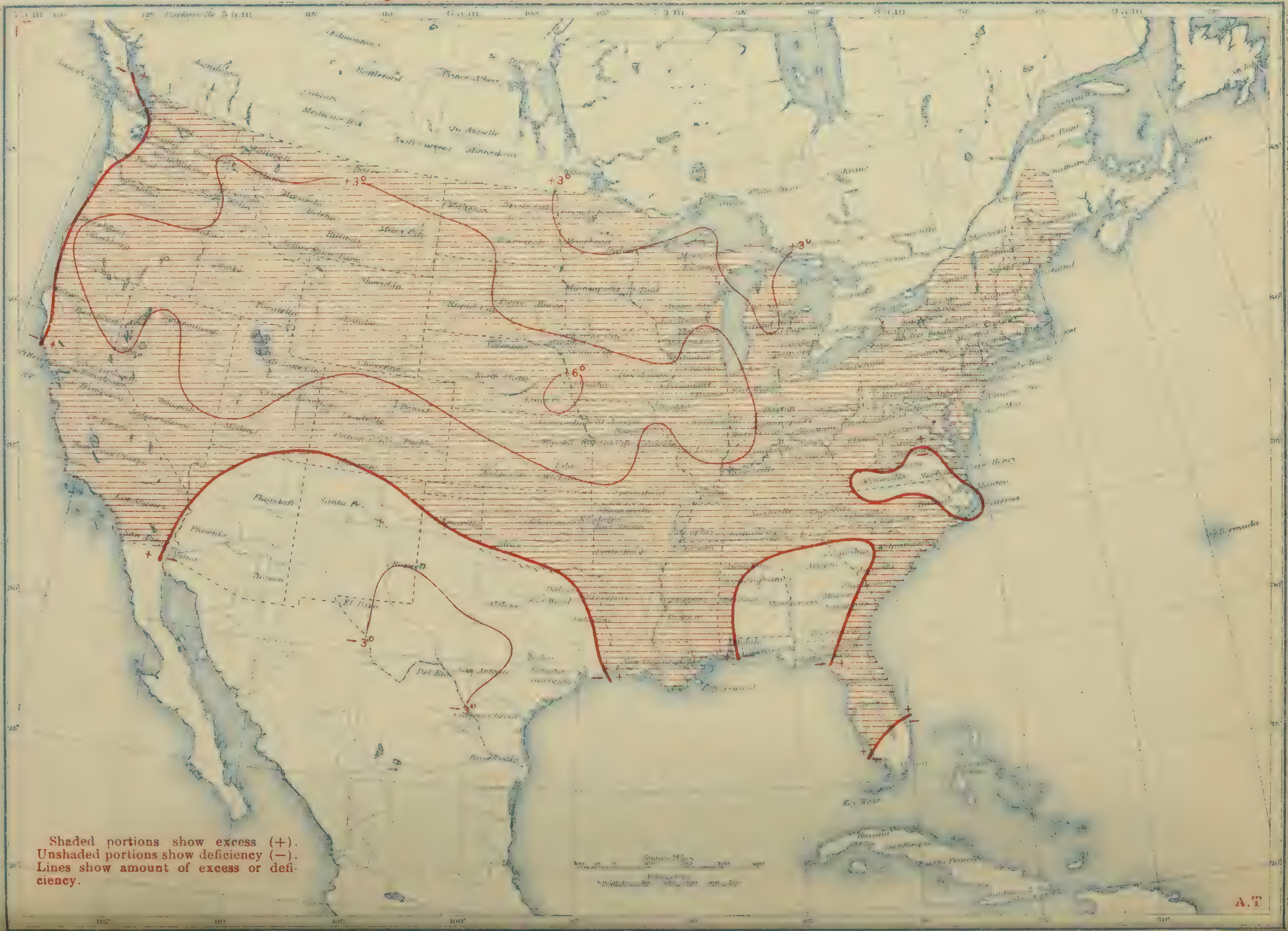
SOUTH CAROLINA SECTION

JULY, 1919

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
August 22, 1919

Departure of the Mean Temperature from the Normal, July, 1919.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

VOL. XXII. COLUMBIA, S. C., JULY, 1919 No. 7.

GENERAL SUMMARY.

The rainfall during July, 1919, was far in excess of all needs, and the heavy rains were exceeded but once in July during the past 33 years, namely, in 1916. The temperatures were near the seasonal average, with no abnormally cool nights, except during the first few days.

The dry weather of the early part of the month was generally favorable for crop development, and the copious rains between the 6th and 12th further improved conditions. Cotton continued in good to excellent condition, with a check to the weevil ravages in the extreme southern counties, and all other crops responded to the good growing weather. However, the prolonged heavy to excessive rains between the 15th and 25th were generally detrimental to major crops, especially in the lowlands, which were overflowed for considerable periods; the upland crops fared much better. Planters were kept from the fields, and grass accumulated rapidly. The dashing rains seriously interrupted pollination in cotton, and the plant "made weed" at the expense of fruit, resulting in unsatisfactory July fruitage. Corn and other crops suffered from too much rain, and sweet potatoes grew luxuriantly, probably at expense of product. The rains were followed by several days of more or less cloudiness, which prevented serious inroads by scalding and shedding in cotton. Considerable late corn will be abandoned on account of accumulated grass. The wet weather caused considerable deterioration in tree fruits. Tobacco was ripening rapidly at the close of the month, and curing had extended throughout the growing district.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 30.04 inches. The highest pressure in the region covered by reports was 30.33 inches at Asheville, N. C., on the 9th, and in the Section proper, 30.32 inches at Columbia on the 27th; the lowest pressure was 29.81 inches as follows: Augusta, Ga., Charlotte, N. C., and Columbia on the 6th; at Greenville on the 11th.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 42 stations, was 79.3°, or 0.5° below the established normal. The highest temperature was 103° at Santuck, Union County, on the 4th, 5th, and 14th, and at St. Matthews, Calhoun County, on the 14th. The warmest periods were generally between the 13th and 16th and at the close of the month, although high temperatures were recorded at several stations on other dates. The lowest temperature was 51° at Cheraw, Chesterfield County, on the 1st. The coolest period was during the first three days.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 83%; 8 p. m., 75%. The highest percentages occurred over the extreme eastern and extreme southern coast districts, and the lowest, over the central counties.

PRECIPITATION.

The average for the Section, 54 stations reporting, was 8.86 inches, or 2.95 inches above the established normal; this amount for July was exceeded only in 1916. Copious rains were quite general in the Section between the 6th and 12th, but the period between the 15th and 25th was marked by almost incessant rainfall, and the run-off was attended by serious crop damage in the lowlands, with the most destructive floods in the various rivers since July, 1916. Precipitation was much in excess of the normal, except in small areas of the northeastern and northwestern counties, where the amounts were less than 5 inches; in extensive sections of the central and north-central counties the total monthly measurements ranged from 10 to over 16 inches. The greatest local monthly amount was 16.52 inches at Saluda, Saluda County; least monthly amount, 3.48 inches at Liberty, Pickens County. The greatest amount during 24 hours at any station was 5.65 inches at Charleston on the 21st-22d. The average number of rainy days was 18% above normal.

DEATHS BY LIGHTNING.—Near Cope, Orangeburg County, July 16: Mr. Nathan J. Thomas and his three negro farm hands, Ernest Curry, Henry Footy, and Jeff Henderson, while riding home in a farm wagon, drawn by two mules; the mules were also killed.

Light hail occurred at Liberty on the 13th and at Walhalla on the 13th and 15th.

WIND.

The prevailing wind was from the south. The average hourly velocity, determined from 8 anemometer records, was 6.6 miles. The highest average velocity in the region covered by reports was 9.8 miles per hour at Charleston; the lowest average was 4.2 miles per hour at Charlotte, N. C., and in the Section proper, 5.6 miles per hour at Columbia. The highest velocity for any 5-minute period was 51 miles per hour from the northeast at Charleston on the 14th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 262.0 hours, or 60% of the possible amount. The average number of clear days was 13; partly cloudy, 8, and cloudy, 10, as against normals of 12, 12, and 7 days, respectively.

RIVER CONDITIONS.

The sustained copious to excessive rainfall between the 15th and 25th was followed by the most destructive floods in the Santee River District since the great flood of July, 1916. The losses approximated $250,965, and the value of movable property saved by timely warnings was estimated at $462,750. The Edisto River reached 7.8 feet, the highest since July, 1889, when it was 8.5 feet. The damage in the Edisto lowlands has been estimated at $213,250. The Pee Dee, Black, and Lynches Rivers were also in flood, incident to the same series of rains; the unavoidable losses approximated $196,450, and the value of movable property saved by timely warnings was estimated at $50,000. The Edisto, Black, Lynches, and Santee Rivers were still in flood at the close of the month.

MISCELLANEOUS DATA FOR JULY, 1919.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.04	73.2	91	51	3.88	1.17	5.6	se.	86	73	58
Augusta, Ga.......	30.02	80.4	98	59	10.26	1.81	4.7	s.	84	78	60
Charleston, S. C...	30.05	80.6	97	64	8.53	5.65	9.8	s.	77	80	70
Charlotte, N. C...	30.04	78.7	97	56	7.39	2.46	4.2	sw.	83	69	54
Columbia, S. C....	30.05	79.9	98	60	10.83	3.85	5.6	s.	82	68	49
Greenville, S. C...	30.03	69.6	95	60	4.84	1.86	6.3	ne.	82	70	59
Savannah, Ga.....	30.05	80.4	97	66	9.04	1.96	9.5	sw.	85	83	59
Wilmington, N. C.	30.06	78.6	95	54	8.43	1.63	7.4	sw.	85	81	69
Means and extremes.....	30.04	77.7	98	51	7.90	5.65	6.6	s.-sw.	83	75	60

Climatological Data for July, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip'n (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	30	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	R. B. Vance.
Blackville	Barnwell	296	30	80.6	−1.1	102	14	56	2	35	9.65	+4.33	3.50	0	11	14	3	14	......	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	18	78.1	−2.3	100	14	56	1	35	6.89	+1.35	1.70	6	13	18	6	7	......	B. O. Evans.
Charleston	Charleston	48	48	80.6	−0.7	97	22	64	1	23	8.53	+1.27	5.65	0	13	10	14	7	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	29	7.90	−1.2	98	14	51	1	39	11.70	+5.88	2.96	0	11	....	....	....	......	Roland D. Powe.
Conway	Horry	25	33	79.5	−0.6	98	†14	54	† 1	35	7.04	+0.55	1.77	0	14	16	1	14	sw.	Paul Quattlebaum.
Darlington	Darlington	175	24	^{g}80.0	0.0	^{g}96	29	^{g}61	10	^{g}25	10.50	+5.67	1.81	0	13	11	4	16	......	D. C. McCall.
Edisto ††	Bamberg	143	31	......	......	......	......	......	......	......	7.82	+2.18	2.35	0	13	....	....	....	......	Nathan Jenkins.
Effingham	Florence	106	26	......	......	......	......	......	......	......	11.20	+6.72	2.95	0	14	....	....	....	......	Wm. B. Gillespie.
Ferguson	Orangeburg	63	33	79.8	+0.4	97	†14	58	† 1	29	9.03	+3.11	2.54	0	12	11	11	9	sw.	Henry C. Savage.
Florence 1	Florence	136	30	79.8	−1.6	98	† 5	55	1	37	8.94	+3.54	2.11	0	14	17	5	9	sw.	H. K. Gilbert.
Florence 2	....do	136	4	......	......	......	......	......	......	......	9.02	+3.62	1.58	0	14	16	5	10	[illegible]	Pee Dee Experiment Sta.
Garnett	Hampton	82	1	^{l}80.8	......	^{l}99	13	^{l}58	2	^{l}33	7.57	....	1.50	0	13	9	13	9	se.	Maner B. Robert.
Georgetown	Georgetown	12	24	82.6	+2.0	100	†14	65	1	25	8.76	+1.81	3.03	0	13	14	10	7	e.	A. P. Hazard.
Kingstree	Williamsburg	54	30	79.8	−0.6	98	29	55	† 1	35	10.35	+4.65	1.60	0	14	19	2	10	sw.	W. H. Matthews.
Oaks	Georgetown	......	4	^{f}78.5	......	^{d}97	14	^{f}55	2	^{f}34	10.46	....	2.67	0	16	11	10	9	s.	O. M. Mitchell.
Orangeburg	Orangeburg	264	3	80.5	......	101	14	57	2	33	10.92	....	3.33	0	14	....	....	....	......	U. S. Fisheries Station.
Paris Island	Beaufort	13	1	......	......	^{n}97	29	65	† 1	......	6.59	+0.52	1.65	0	16	22	4	5	w.	U. S. Marine Corps.
Pinopolis **	Berkeley	54	69	......	......	......	......	......	......	......	......	......	......	......	......	....	....	....	......	Miss E. P. Ravenel
Rimini	Clarendon	97	5	......	......	......	......	......	......	......	9.76	....	3.23	0	[illegible]	....	....	....	......	William B. Wolfe.
St. George	Dorchester	109	30	81.2	+0.4	100	14	58	2	33	6.48	+0.47	1.24	0	13	22	1	8	s.	Miss Alma T. Whiteside.
St. Matthews	Calhoun	62	23	80.2	0.0	103	14	56	2	30	7.28	+0.87	2.45	0	13	....	....	....	w.	J. S. Wannamaker.
Society Hill	Darlington	192	27	80.2	+0.7	100	5	54	1	33	5.40	+0.79	1.67	0	15	20	2	9	s.	A. H. Rogers.
Summerville	Dorchester	75	21	79.4	−0.5	95	†14	59	2	27	8.13	+2.41	1.99	0	15	8	19	4	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	16	79.4	−0.7	98	30	57	† 2	33	8.86	+1.52	1.32	0	16	16	6	9	......	J. N. Frank.
Yemassee	Hampton	24	23	79.6	−1.6	98	14	56	2	31	10.67	+3.92	2.01	0	14	19	1	11	s.	W. C. Hutson.
Division means and	extremes	......	....	80.0	−0.3	103	14	51	1	39	8.52	+2.66	5.65	0	14	16	6	9	s.	
Western Portion.																				
Aiken	Aiken	527	58	^{c}79.8	−0.4	98	14	^{c}59	2	^{c}39	9.03	+4.33	2.25	0	13	12	5	14	ne.	Frank B. McCoy.
Anderson	Anderson	764	23	78.0	−1.9	96	14	59	1	29	6.67	+1.14	1.46	0	14	17	0	14	w.	H. H. Russell.
Batesburg	Lexington	656	30	78.4	−1.6	96	15	58	1	31	15.80	+10.37	3.58	0	14	13	5	13	s.	E. J. Hite.
Blairs	Fairfield	293	16	......	......	......	......	......	......	......	12.74	+7.64	4.12	0	13	....	....	....	......	J. N. Owens.
Calhoun Falls	Abbeville	508	26	79.2	......	99	†13	55	2	34	5.54	+0.80	2.01	0	8	12	9	10	s.	L. M. Parker.
Camden	Kershaw	222	59	80.6	+0.6	102	14	62	† 1	33	10.99	+5.91	4.00	0	18	16	3	12	se.	W. C. Brown.
Catawba	York	562	15	......	......	......	......	......	......	......	13.44	+7.70	2.75	0	13	....	....	....	......	James C. Faris.
Chappells	Newberry	402	15	......	......	......	......	......	......	......	11.81	+7.54	2.33	0	11	....	....	....	......	J. J. Murran.
Clemson College	Oconee	850	27	78.0	+0.2	90	†13	59	1	26	6.44	+1.21	2.10	0	10	20	2	9	e.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	32	79.9	−0.2	98	14	60	2	28	10.83	+4.77	3.85	0	15	9	9	13	s.	U. S. Weather Bureau
Edgefield	Edgefield	......	5	......	......	......	......	......	......	......	7.18	....	1.07	0	13	....	....	....	......	J. A. Townsend.
Gaston Shoals ††	Cherokee	680	6	......	......	......	......	......	......	......	5.27	−2.71	1.71	0	12	....	....	....	......	S. C. Lt., Power & Ry. Co.
Greenville	Greenville	1039	26	77.4	+0.4	95	14	60	1	26	4.84	−0.58	1.86	0	12	5	15	11	sw.	U. S. Weather Bureau.
Greenwood	Greenwood	671	30	77.0	−3.0	93	14	56	1	31	8.56	+3.47	1.53	0	12	15	1	15	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	18	78.4	−2.0	96	†30	55	1	33	7.79	+3.54	2.25	0	12	6	15	10	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	3	79.2	......	97	14	54	1	36	7.39	....	1.41	0	10	19	4	8	w.	John W. Hamel.
Landrum	Spartanburg	1063	4	76.6	......	97	14	53	1	41	8.48	....	2.10	0	10	1	11	8	......	R. Hartwell Wilds, D.D.S.
Laurens	Laurens	589	1	^{a}77.6	......	^{a}96	14	^{a}52	2	^{a}34	6.21	....	1.42	0	12	13	13	5	......	Perry A. Simpson.
Liberty	Pickens	900	20	79.2	0.0	97	15	58	2	36	3.48	−2.32	1.30	0	11	7	20	4	se.	John T. Boggs.
Little Mountain	Newberry	711	26	78.5	−1.9	96	†13	58	1	30	6.84	+2.10	1.40	0	12	16	3	12	sw.	J. M. Sease, M. D.
Meriwether	McCormick	450	16	......	......	......	......	......	......	......	9.12	+4.17	1.60	0	14	....	....	....	......	Mrs. Marie R. Middleton.
Monetta	Saluda	400	12	79.3	−0.4	99	14	57	2	35	15.06	+10.70	4.65	0	13	7	17	7	e.	Joseph M. Johnson.
Newberry	Newberry	502	16	80.2	−1.6	101	14	57	† 1	36	11.23	+6.79	2.86	0	13	4	15	12	sw.	Warren G. Peterson.
Pelzer	Anderson	850	15	......	......	......	......	......	......	......	5.52	+0.22	1.54	0	13	....	....	....	......	Joshua Y. Jones.
Saluda	Saluda	536	18	78.8	−1.7	98	†14	53	2	37	16.52	+12.31	2.75	0	17	20	5	6	s.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	26	80.2	+0.6	103	† 4	56	1	43	7.47	+2.52	1.71	0	13	10	13	8	s.	E. W. Jeter.
Spartanburg	Spartanburg	875	36	79.2	−0.1	98	†14	56	1	35	12.15	+7.90	4.35	0	14	....	....	....	......	F. P. Robinson.
Trenton	Edgefield	620	30	79.4	−1.1	96	† 6	59	1	30	9.06	+3.41	1.45	0	10	16	7	8	s.	Mrs. S. E. Long.
Walhalla	Oconee	1061	16	77.0	0.0	95	†12	58	1	33	8.86	+2.90	1.47	0	14	9	16	6	ne.	H. W. Brandt.
Winnsboro	Fairfield	515	28	^{b}78.8	−0.8	^{b}99	14	^{b}59	1	^{b}29	9.59	+4.67	3.00	0	14	12	10	9	s.	Rev. Oliver Johnson.
Winthrop College ‡‡	York	690	19	79.2	−0.7	98	†13	55	1	37	8.55	+3.66	1.75	0	10	11	16	4	s.	W. P. Goodman.
Division means and	extremes	......	....	78.7	−0.7	103	† 4	52	2	43	9.11	+4.73	4.65	0	13	12	10	9	s.	
Section means and	extremes	......	....	79.3	−0.5	103	† 4	51	1	43	8.86	+2.95	5.65	0	13	13	8	10	s.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Blacksburg; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for July, 1919.

Stations.	Watersheds.	Day of month.																														Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ‖	Savannah																																[illegible]
Blackville ‖	Edisto								.50				.30					.40	.70	.30	.20	.60	.15	3.50	1.00	2.00							[illegible]
Bowman	do						.70	[illegible]			.42				T.	.08	1.70	.34	.44	.30	.71	.48	.20	.16	1.04	T.				T.			6.89
Charleston ***	Coast							T.			.55				.50		.01	.35	.35	.14	.19	.54	5.44	.02	.14	.25					.05		8.53
Cheraw ‖‖	Pee Dee							T.				.23	.41		.31		.31	.69		1.72	.64	.83	.30	2.20	2.96	1.10			T.				11[illegible]
Conway ‖‖	Waccamaw											.43	.18	.02		.08		.23	1.77	.29	.48	.69	.90	1.57	.10	.03					.27		[illegible]
Darlington ‖‖	Pee Dee	.12						.28					1.65		.82		1.62	.35		.25	.55	1.00	.15	.63	1.81	.50					.77		[illegible]
Edisto ‖	Edisto							.32	.16			.12				.03		2.35	.12	.22	.12	2.11	.90	.22	.70	.45							7.82
Ellingham ‖‖	Lynches							.25				.78	1.96	.20				.64	.41	.57	.11	2.95	1.18	.88	.40	.60					.27		11.20
Ferguson ‖‖	Santee							.90	T.		.41				.74			2.54	.14	.36	.07	1.81	1.63	.82	.12	.30							9.03
Florence 1 ‖‖	Pee Dee							.84				.85	.64	.61		.14		.34	.33	.34	.41	2.11	.38	.71	.26	.98							8.94
Florence 2 ‖‖	do							.32				.94	1.04		.18		.19	.34	.24	.52	1.02	1.33	.54	.41	.80	.73							9.02
Garnett	Savannah						.21								*		*	*	*	2.19	.60	1.02	.20	1.50	.75	.01					1.09		[illegible]
Georgetown	Coast					.85		.22	.43		.15	.20		.15	T.			.95	.63	.15	.17	.98	3.03	T.	.75								8.76
Kingstree ‖‖	Black							.20	.38	.10		.37		1.20				1.30	.70	.45	.90	1.60	1.40	.82	.20	.73							10.35
Oaks	do							.02	.82		.02	.14	.82		.20		1.02	.86	.72	.30	1.40	.31	2.67	.42	.60		.11	T.					10.46
Orangeburg	Edisto							.26	.31			.06					.45	1.88	.15	.73	.14	3.33	.50	1.05	.51	1.38					.17	T.	10.92
Paris Island	Coast								.29	.35		1.65		.06		.03		.64	.40	.10		.77	1.21	.05	.19	.52	.26	.05				.02	6.59
Pinopolis	Cooper																																
Rimini ‖‖	Santee							.10				.02					.60	3.00	.32	.11	.80	3.23	.23	.40		.95							9.76
St. George ‖‖	Edisto							.30	.24							.51	.24	.93	.55	.19	1.24	.47	.52	.20	.42	.67							6.48
St. Matthews ‖‖	Santee						.12					.13				.20	.22	.36	.16	1.27	.47	2.45	.10	.30	.40	1.10							7.28
Society Hill ‖‖	do							.05					.72	.12		.20	.05	.33	.04	1.06	.23	.84	.05	1.07	.24	.12		.28					5.40
Summerville	Ashley							.26	.03		.10	.19	.20		.13	.03	T.	.82	1.29	.24	.55	1.68	1.90	.01	T.						1.00		8.43
Walterboro	Ashepoo						.36	.37	.27		.76	.07			.73		1.32	.43	.11	.20	.92	.88	1.02	.33	.45					.46			8.86
Yemassee ‖	do							.30	.46	T.		.49				1.02		1.22	.52	.58	.41	.56	1.52	1.20	1.51	.50						.38	10.67
Western Portion.																																	
Aiken	Edisto								.20				.30			.05	.65	1.50	1.65	.45	.50	.22	.16	.50	.60	2.25							9.03
Anderson	Savannah						.12	.17	.86	.69	.52						.20	1.46	.64	1.38	.02				.13	.10	.15	.23					6.67
Batesburg ‖‖	Edisto							T.	.54	.90		.24					1.14	.77	.84	2.23	.82	1.83	.98	3.58	.53	1.31	.09						15.80
Blairs ‖	Broad									1.22		.16					.16	.08	.82	.74	.62	1.90	4.12	2.05	.38	.34	.15						12.74
Calhoun Falls ‖‖	Savannah									1.23			T.					T.	.17	.13	.82		T.	2.01	.54	.49	.15						5.54
Camden ‖‖	Wateree							.30	.30	.12		.06				1.06	.10	.70	.12	.65	1.02	4.00	.13	2.05	.23	.12		.03					10.99
Catawba ‖	Catawba							.26					.15			.14	.10	2.05	2.64	1.44	1.50	.96	.85	2.75	.25	.35							13.44
Chappells ‖	Saluda									2.25	.08							2.12	.13	1.53	2.60	.85	.15	1.30	.45	.35							11.81
Clemson College	Savannah						1.00			.53	.20			.55		.10	.20			2.10			T.	.06			1.50					.20	6.44
Columbia ***	Congaree						.03	1.36	.20		.10		T.		T.	.12	.81	.36	1.33	1.07	3.60	.01	.23	.83	.77	.01				T.			10.83
Edgefield ‖	Savannah								.58			.35			.22	.27	.33		.42	.72	.95	.81		1.07	.53	.75	.18						7.18
Gaston Shoals ‖‖	Broad							.26		.04	.04	.15				.12	.03	.36	.96	1.71	1.42		.09	.09									5.27
Greenville ***	Saluda						.64	T.	.24	.06	.01					.01	.86	.05	1.86	.83	.01	T.	T.	T.	.01	.26							4.84
Greenwood ‖‖	do							1.09	1.58								.50	1.63	.51	.65	.98	.30		.56	.30	.43	.03						8.56
Heath Spring	Wateree						.04				.58	.12				.64	.15	.85	1.00	1.00	.40	.39	2.25	.37									7.79
Kershaw ‖‖	Lynches												.86					.28	.65	1.41	.85	1.28	.15	1.37	.43	.11							7.39
Landrum	Broad						.91	.09	.89	2.10						.51	.49	.11	.66	1.93	.76												8.48
Laurens ‖‖	Saluda							.18		.38	.52					.50	.55	.42	.32	1.42			.58	.60	.32	.42							6.21
Liberty	Savannah					.04	1.30	T.	T.	.02	.04						T.	.10		1.10	T.	T.	.02		.04	.02	.40		T.		T.	.40	3.48
Little Mountain	Saluda								1.26							.04	.43	.47	.75	.15	1.40	.66	.11	.53	.50	.54							6.84
Meriwether	Savannah								.20	.42			.15			.03	1.02	1.26	1.60	.27	.64	.19	.32	.50	1.00	1.32							9.12
Monetta	Edisto						T.	T.	.08		.61	.02	T.				.91	.58	1.84	.76	2.25	.23	.66	4.65	.99	1.48							15.06
Newberry	Saluda								2.41	T.	.10						.64	.55	.65	.95	2.86	.10	.30	2.10	.28	.28	.01						11.23
Pelzer ‖‖	do							.70	.10	.12	.22	.12					.04		1.54	1.38	.30		.04	.02		.38	.56						5.52
Saluda	do						2.20	1.80	.88	2.75	1.28	.05	2.00				.35	.80	1.82	.70	.90	.21	.30		.38	.48	.12						16.52
Santuck	Broad									T.	.19	.16			T.	T.	.90	.22	.28	.39	1.71	1.09	1.03	.26	.18	.57	.04						7.47
Spartanburg ‖‖	do							.45	.02	1.35	T.	T.	.03			T.	.02	.55	1.35	1.95	.15	.05	2.85	.23		T.	.05	T.		.10			12.15
Trenton	Edisto						1.15			.60							T.	1.00	1.24	.58	1.00		.31	1.38	.54	.96							9.06
Walhalla	Savannah					.01	1.12			.07	.27			.43		.98		1.15	1.34	1.47	1.27		.25			.03	.41			.06			8.86
Winnsboro	Broad								.02			.06				.48	.30	.28	.07	2.29	.73	1.70	.25	3.00	.19	.20	.02						9.59
Winthrop College	Catawba											.40					.60	1.25	1.75	1.00	1.20		.25	1.50	.10	.50							8.55

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR JULY.

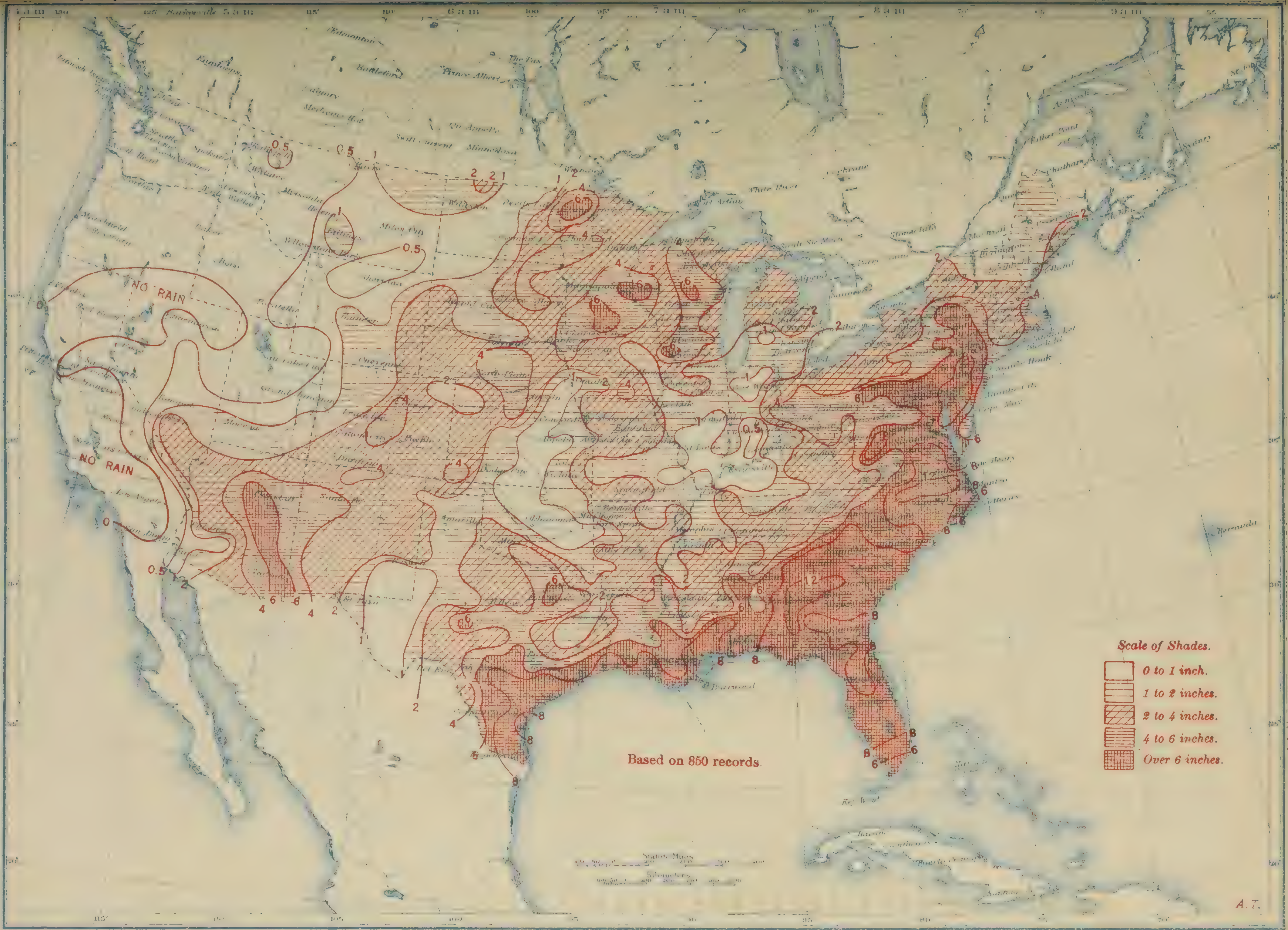
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	82.0	110	60	7.49	14				
1888	78.9	108	53	3.68	8				sw.
1889	79.5	102	51	7.13	13				sw.
1890	78.4	104	52	6.88	12				sw.
1891	77.9	93	56	5.95					sw.
1892	78.9	102	51	7.44					sw.
1893	82.0	104	60	3.87	9	13	14	4	sw.
1894	77.7	100	55	8.24	16	8	12	11	sw.
1895	79.5	102	54	4.17	8	10	15	6	sw.
1896	80.7	105	51	8.17	13	10	13	8	sw.
1897	80.2	107	54	5.01	11	13	12	6	sw.
1898	80.0	102	51	7.81	14	10	10	11	sw.
1899	80.0	105	47	4.03	9	12	11	8	sw.
1900	81.2	104	55	4.08	9	11	11	6	sw.
1901	81.4	102	62	4.52	10	12	12	7	sw.
1902	80.8	107	58	3.79	9	15	11	5	sw.
1903	80.4	103	45	3.59	8	18	9	4	sw.
1904	79.4	105	50	5.96	12	13	12	6	sw.
1905	80.4	101	60	6.16	12	13	10	8	sw.
1906	78.4	100	56	8.40	16	5	17	9	sw.
1907	81.4	106	56	5.06	11	13	13	5	sw.
1908	79.8	100	60	5.43	12	12	13	6	s.
1909	78.6	104	55	4.92	10	13	12	6	sw.
1910	79.4	102	58	5.83	13	9	15	7	sw.
1911	79.8	102	53	3.79	10	12	13	6	sw.
1912	79.6	102	58	5.22	11	11	10	7	sw.
1913	81.9	109	56	4.78	9	15	9	7	sw.
1914	80.0	107	53	5.16	9	14	13	4	sw.
1915	80.9	106	55	3.26	8	18	10	3	sw.
1916	77.8	99	60	11.69	17	5	12	14	sw.
1917	79.9	102	52	6.56	12	11	9	8	sw.
1918	77.5	103	50	5.02	11	15	9	7	sw.
1919	79.3	103	51	8.86	13	13	8	10	s.
Period	79.8	110	45	5.91	11	12	12	7	sw.

Daily Temperatures for July, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Blackville	Maximum	77	89	91	94	96	95	86	100	86	92	94	93	98	102	100	99	85	87	87	86	86	84	82	85	89	90	93	93	98	98	94	91.3
	Minimum	60	56	57	64	71	72	72	71	70	69	72	71	73	75	75	70	71	70	70	71	71	72	70	69	67	71	71	73	75	75	72	69.9
Bowman	Maximum	82	85	92	95	95	94	95	88	87	90	92	93	96	100	96	95	85	84	81	78	82	82	83	86	89	92	93	93	96	95	96	90.0
	Minimum	56	58	57	65	69	70	69	70	65	66	67	68	71	73	72	70	70	68	69	68	70	70	70	69	66	67	69	70	70	70	69	67.8
Charleston	Maximum	77	81	82	84	90	89	90	86	81	86	90	89	90	95	87	90	82	84	85	85	80	81	87	84	86	87	87	93	97	91	88	86.6
	Minimum	64	66	69	74	76	77	76	75	78	74	76	78	79	72	73	74	73	74	74	76	74	73	75	72	76	78	78	78	77	77	76	74.6
Cheraw	Maximum	90	94	94	96	95	91	91	90	92	96	93	97	98	97	96	86	87	84	76	86	82	77	87	88	92	94	95	97	91	93	93	90.9
	Minimum	51	55	59	62	63	67	71	69	65	60	70	67	69	69	68	68	70	69	69	70	72	71	72	68	68	71	69	71	73	70	66	67.2
Conway	Maximum	83	86	89	93	94	95	95	88	85	88	93	92	96	98	90	94	81	83	95	84	83	80	87	87	89	90	92	94	98	89	91	89.4
	Minimum	54	54	60	65	69	72	71	72	67	62	71	70	73	76	69	76	72	71	71	71	72	72	74	70	70	70	70	74	75	73	71	69.6
Darlington §§	Maximum	....	....	....	....	....	94	91	89	87	....	90	....	90	93	94	92	92	86	85	95	87	80	82	86	87	93	91	92	96	92	93	g89.9
	Minimum	68	....	....	....	....	....	72	71	65	61	....	69	....	70	72	67	70	71	71	70	71	72	73	70	70	72	70	74	75	73	68	g70.2
Ferguson §§	Maximum	80	90	92	93	95	95	95	88	86	82	94	95	96	97	95	94	80	86	85	82	75	80	84	81	84	90	92	90	97	93	93	89.1
	Minimum	58	58	67	69	71	72	72	71	67	67	72	73	74	76	68	75	69	71	71	72	71	73	74	69	70	70	69	70	72	80	70	70.4
Florence 1	Maximum	85	89	95	95	98	98	92	90	89	93	93	93	95	95	93	96	84	85	82	80	78	78	82	85	90	92	94	94	97	92	96	90.3
	Minimum	55	58	60	67	71	75	73	73	66	59	70	69	71	77	70	71	70	70	71	70	71	70	72	70	70	72	70	71	75	73	71	69.4
Garnett	Maximum	83	88	90	93	96	97	98	....	....	....	....	....	99	....	....	....	....	....	....	88	87	87	88	87	91	94	94	95	98	96	93	k92.1
	Minimum	63	58	60	67	70	73	71	....	....	....	....	....	....	....	....	....	....	....	....	74	72	74	69	68	73	72	73	71	74	71	76	l69.6
Georgetown	Maximum	81	83	88	92	93	94	99	92	87	88	91	91	96	100	92	93	88	86	86	88	86	86	88	89	92	71	92	96	100	93	94	90.2
	Minimum	65	68	76	73	76	78	79	75	77	72	72	77	79	80	73	79	74	76	76	75	76	76	73	74	74	73	75	75	77	76	75	75.0
Kingstree	Maximum	84	87	90	93	96	94	95	88	86	91	94	94	96	97	93	96	79	88	84	85	81	80	85	89	88	91	93	94	98	83	94	90.2
	Minimum	55	55	59	67	70	70	72	71	67	65	71	71	72	73	69	74	70	70	71	70	71	72	73	69	70	70	71	74	74	77	72	69.5
Oaks	Maximum	80	85	89	92	94	94	94	86	....	84	92	92	....	97	94	92	84	84	86	80	....	78	85	85	85	88	90	....	93	88	89	d88.1
	Minimum	56	55	58	65	68	71	73	71	....	68	71	71	....	....	68	70	70	70	....	69	....	72	73	70	70	70	75	....	73	75	71	f68.9
Orangeburg	Maximum	83	87	90	94	96	96	96	87	86	92	94	97	97	101	99	95	85	86	86	86	85	84	84	88	90	92	93	94	97	97	93	91.3
	Minimum	59	57	60	66	70	70	71	71	67	67	71	73	73	73	71	73	71	71	71	71	72	73	72	69	68	71	71	71	74	74	71	69.7
Paris Island §§	Maximum	80	83	87	89	92	90	94	88	94	94	91	92	92	96	....	....	....	....	....	....	....	....	....	....	....	....	....	....	96	97	94	m91.1
	Minimum	65	65	70	74	75	76	74	72	74	70	70	72	75	79	72	77	70	72	74	75	73	73	76	72	75	74	77	75	77	76	74	73.3
St. George	Maximum	91	87	91	95	97	96	96	91	87	93	95	97	99	100	95	97	86	86	80	80	80	83	83	87	89	94	92	95	98	96	97	91.4
	Minimum	59	58	61	69	72	74	73	70	70	70	73	75	75	70	70	72	72	72	73	73	74	74	70	71	71	73	73	73	74	76	73	71.1
St. Matthews §§	Maximum	80	86	90	92	93	95	94	88	86	93	94	96	99	103	98	95	82	82	81	79	81	80	82	86	87	98	90	93	97	92	93	89.8
	Minimum	58	56	62	69	73	72	73	71	68	68	72	74	75	76	71	73	72	71	71	73	71	73	72	70	70	70	70	73	74	75	70	70.5
Society Hill §§	Maximum	85	90	96	97	100	99	93	91	90	95	98	92	95	98	96	96	84	88	84	81	82	80	83	88	88	93	92	95	98	89	93	91.3
	Minimum	54	56	61	64	70	72	73	71	65	62	71	70	71	72	70	72	71	71	71	70	71	72	72	70	71	71	70	73	74	72	68	69.1
Summerville	Maximum	82	83	86	89	92	91	94	89	85	90	90	90	92	95	90	92	81	83	84	81	78	79	86	87	86	90	86	91	95	94	90	87.8
	Minimum	60	59	74	67	72	72	73	72	70	69	71	74	75	70	69	74	72	70	71	72	72	73	74	70	71	72	73	72	74	74	73	71.1
Walterboro	Maximum	81	83	88	90	92	93	96	91	83	91	91	92	94	97	91	91	82	85	83	84	82	79	79	85	89	91	90	95	95	98	96	88.9
	Minimum	60	57	57	67	68	72	71	76	70	68	71	73	73	69	71	71	70	71	73	72	72	72	71	69	70	71	72	70	72	78	74	70.0
Yemassee	Maximum	85	84	88	90	94	95	97	90	86	91	91	93	95	98	93	93	79	86	86	85	86	81	87	86	89	91	91	94	96	94	93	89.9
	Minimum	61	56	59	66	69	71	69	70	70	68	71	71	72	72	68	72	70	71	71	71	71	73	72	69	72	71	71	70	73	72	70	69.4
Western Portion.																																	
Aiken	Maximum	83	88	89	92	91	92	96	94	89	87	89	90	90	98	95	92	78	81	84	82	87	85	83	80	88	89	90	89	95	94	92	88.8
	Minimum	60	59	72	74	71	74	76	72	....	....	....	72	72	75	71	70	68	70	71	71	71	73	70	69	68	70	73	71	74	74	73	c70.9
Anderson	Maximum	81	86	87	93	93	92	92	83	77	83	90	90	92	96	93	86	84	81	80	80	84	84	78	75	82	88	88	90	92	92	92	86.6
	Minimum	59	62	64	72	72	71	71	64	64	66	70	69	72	70	78	70	70	70	70	69	68	71	71	68	68	68	70	72	73	73	80	69.5
Batesburg	Maximum	82	81	90	91	92	93	95	86	87	86	86	91	94	91	96	91	80	80	85	80	83	83	80	77	84	89	90	91	95	90	92	87.5
	Minimum	58	59	65	67	71	71	72	66	67	67	71	72	71	73	72	69	69	68	69	70	70	72	70	67	67	62	72	71	76	75	73	69.3
Calhoun Falls §§	Maximum	83	89	93	95	95	95	98	92	80	87	92	93	99	99	99	92	87	84	85	86	91	90	76	75	90	91	91	93	97	97	96	90.7
	Minimum	57	55	60	64	70	70	70	69	67	66	68	68	68	68	69	69	70	69	69	69	69	70	70	68	67	66	70	69	70	72	72	67.7
Camden §§	Maximum	83	85	90	95	100	96	97	92	89	86	96	98	99	102	92	92	95	86	85	82	85	82	85	86	92	94	95	95	97	99	96	91.8
	Minimum	62	62	63	65	67	72	70	72	62	67	68	74	73	71	72	71	71	72	71	72	72	65	73	70	68	69	76	74	66	70	73	69.5
Clemson College	Maximum	78	85	87	87	88	88	88	88	83	84	87	87	90	89	88	90	83	81	80	90	88	87	84	82	79	85	82	85	87	89	88	85.7
	Minimum	59	62	62	70	70	70	74	72	76	76	67	72	72	68	72	70	70	70	68	76	76	73	68	70	70	72	66	74	74	72	70	70.4
Columbia	Maximum	83	88	90	92	94	91	94	88	83	84	93	92	96	98	96	92	82	81	82	74	84	82	80	81	88	90	92	92	97	92	92	88.5
	Minimum	61	60	67	70	74	74	73	72	70	68	72	74	75	75	72	72	71	70	72	69	72	73	71	70	69	71	74	74	75	77	73	71.3
Greenville	Maximum	82	87	91	90	90	84	90	82	72	82	90	90	91	95	93	83	81	79	79	80	84	84	78	75	78	86	87	89	93	90	90	85.3
	Minimum	60	65	65	72	72	71	71	70	66	67	69	70	73	73	72	69	70	69	69	70	67	71	70	68	68	66	71	72	73	76	73	69.6
Greenwood	Maximum	80	85	88	89	89	89	92	84	77	82	89	89	90	93	93	91	80	80	79	76	83	84	78	74	82	85	80	89	90	89	89	85.1
	Minimum	56	58	58	69	71	71	71	69	65	67	71	70	71	71	73	70	70	70	69	69	70	71	69	69	68	69	70	70	73	75	74	68.9
Heath Spring	Maximum	80	87	92	91	90	90	92	89	88	90	91	92	93	94	95	87	88	79	76	75	77	78	79	83	86	87	89	90	95	96	96	87.6
	Minimum	55	59	65	69	71	70	69	68	68	68	69	68	67	73	70	69	70	70	70	69	68	69	70	69	68	70	71	73	75	77	76	69.1
Kershaw	Maximum	85	90	93	93	96	92	93	90	88	89	94	91	95	97	96	94	85	83	80	74	84	83	78	82	86	91	92	93	96	92	92	89.3
	Minimum	54	58	64	65	70	69	72	72	68	64	71	69	71	72	71	69	71	70	70	69	69	72	71	68	69	71	70	73	75	75	70	69.1
Landrum	Maximum	85	91	95	94	94	85	89	81	75	82	90	91	93	97	95	83	84	80	82	79	87	82	82	82	81	88	89	92	93	92	91	87.2
	Minimum	53	54	60	68	66	68	67	67	63	65	69	63	70	70	65	65	68	68	66	69	66	70	67	68	67	65	66	68	71	71	66	66.1
Laurens §§	Maximum	81	86	90	89	90	85	91	86	76	84	91	89	92	96	94	88	85	85	80	78	84	83	...	78	85	86	88	90	92	89	92	a86.8
	Minimum	58	52	57	60	72	70	68	69	68	66	69	68	70	71	71	70	71	71	70	70	69	71	71	....	69	68	70	71	73	74	71	a68.3
Liberty	Maximum	80	88	94	94	95	91	96	85	85	87	94	94	94	94	97	90	86	82	83	85	88	88	84	81	81	89	92	92	94	92	91	89.2
	Minimum	60	58	62	73	73	70	68	71	66	67	70	67	73	70	73	70	70	71	71	71	68	68	71	72	69	67	69	73	74	73	71	69.3
Little Mountain	Maximum	84	88	90	91	94	90	89	85	82	85	90	90	96	95	96	92	81	77	80	82	83	83	80	80	84	85	88	89	95	94	91	87.4
	Minimum	58	60	64	70	73	73	71	70	68	68	69	73	74	74	72	71	70	69	68	65	64	73	70	69	68	70	72	70	73	75	73	69.6
Meriwether	Maximum	91	98	100	100	99	100	98	96	89	89	87	89	90	....	....	....	....	....	....	....	....	....	....	....	....	....	....	90	93	90	91	......
	Minimum	65	68	85	84	86	86	82	80	59	60	61	70	77	....	....	....	....	....	....	....	....	....	....	....	....	....	....	74	80	82	85	......
Monetta	Maximum	82	88	92	95	94	92	96	90	87	89	91	91	97	99	98	90	83	81	82	79	86	82	79	78	89	90	93	91	96	94	93	89.3
	Minimum	59	57	64	66	70	71	70	69	68	68	71	71	71	72	72	70	71	69	70	67	71	72	70	69	68	68	72	70	74	75	73	69.3
Newberry	Maximum	86	91	93	95	97	92	99	88	83	88	94	95	98	101	99	96	84	81	84	79	86	86	78	79	88	92	93	94	99	95	95	90.6
	Minimum	57	57	63	67	73	72	70	70	69	67	72	71	72	75	72	72	71	70	70	69	71	73	70	69	69	69	70	72	74	75	73	69.8
Saluda	Maximum	85	87	90	93	94	93	96	88	82	87	91	92	95	98	97	92	81	81	81	77	84	86	80	78	87	92	94	95	98	93	94	89.1
	Minimum	56	53	59	66	71	70	70	68	66	68	71	71	71	71	71	70	69	70	70	69	71	72	68	68	68	68	70	70	74	73	72	68.5
Santuck	Maximum	89	92	102	103	103	89	90	89	85	94	95	100	99	103	100	91	88	84	84	79	86	80	81	77	87	89	91	92	94	94	93	91.1
	Minimum	56	59	61	78	72	70	69	72	69	64	71	68	71	69	69	69	70	70	70	70	70	72	70	69	69	68	70	71	73	75	71	69.2
Spartanburg	Maximum	83	91	96	94	95	88	92	90	88	86	93	94	96	98	98	90	85	81	82	84	88	85	82	82	82	86	92	94	93	92	96	89.5
	Minimum	56	63	63	70	75	71	70	71	63	64	71	67	72	72	71	68	70	69	69	69	68	69	70	70	70	68	70	71	73	72	70	68.9
Trenton	Maximum	83	87	91	93	92	96	93	91	89	91	93	93	96	96	94	93	81	81	82	85	84	83	81	77	88	89	89	89	93	93	92	89.0
	Minimum	59	63	63	67	67	69	68	69	69	69	73	73	73	72	72	72	70	70	71	70	71	70	71	69	68	73	72	72	74	74	75	69.9
Walhalla	Maximum	83	89	92	92	91	90	91	83	78	83	92	91	95	93	92	87	83	81	82	84	84	88	82	78	80	87	88	91	95	93	91	87.4
	Minimum	58	60	60	59	67	70	67	70	63	66	65	63	68	72	69	66	63	70	68	68	68	68	68	69	68	66	70	68	70	71	70	66.7
Winnsboro	Maximum	88	92	....	....	94	91	92	90	87	87	92	93	95	99	92	81	84	79	82	73	83	84	77	78	87	87	89	89	92	90	89	b87.4
	Minimum	59	65	68	....	....	72	70	72	69	69	71	71	73	74	71	70	71	70	69	71	69	71	71	68	68	70	70	72	73	75	70	b70.1
Winthrop College	Maximum	86	92	95	95	95	90	91	90	80	88	95	97	98	96	98	82	84	80	81	83	82	84	85	76	81	91	85	93	95	94	92	88.8
	Minimum	55	60	65	68	67	71	70	72	70	65	71	69	74	75	72	70	76	70	71	69	71	71	70	69	64	70	70	71	74	74	72	69.5

Reference letters (a, b, c), appearing in the table indicate number of days missing: For example, b represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


NO RAIN
NO RAIN
Based on 850 records.
Scale of Shades.
0 to 1 inch.
1 to 2 inches.
2 to 4 inches.
4 to 6 inches.
Over 6 inches.
A. T.

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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

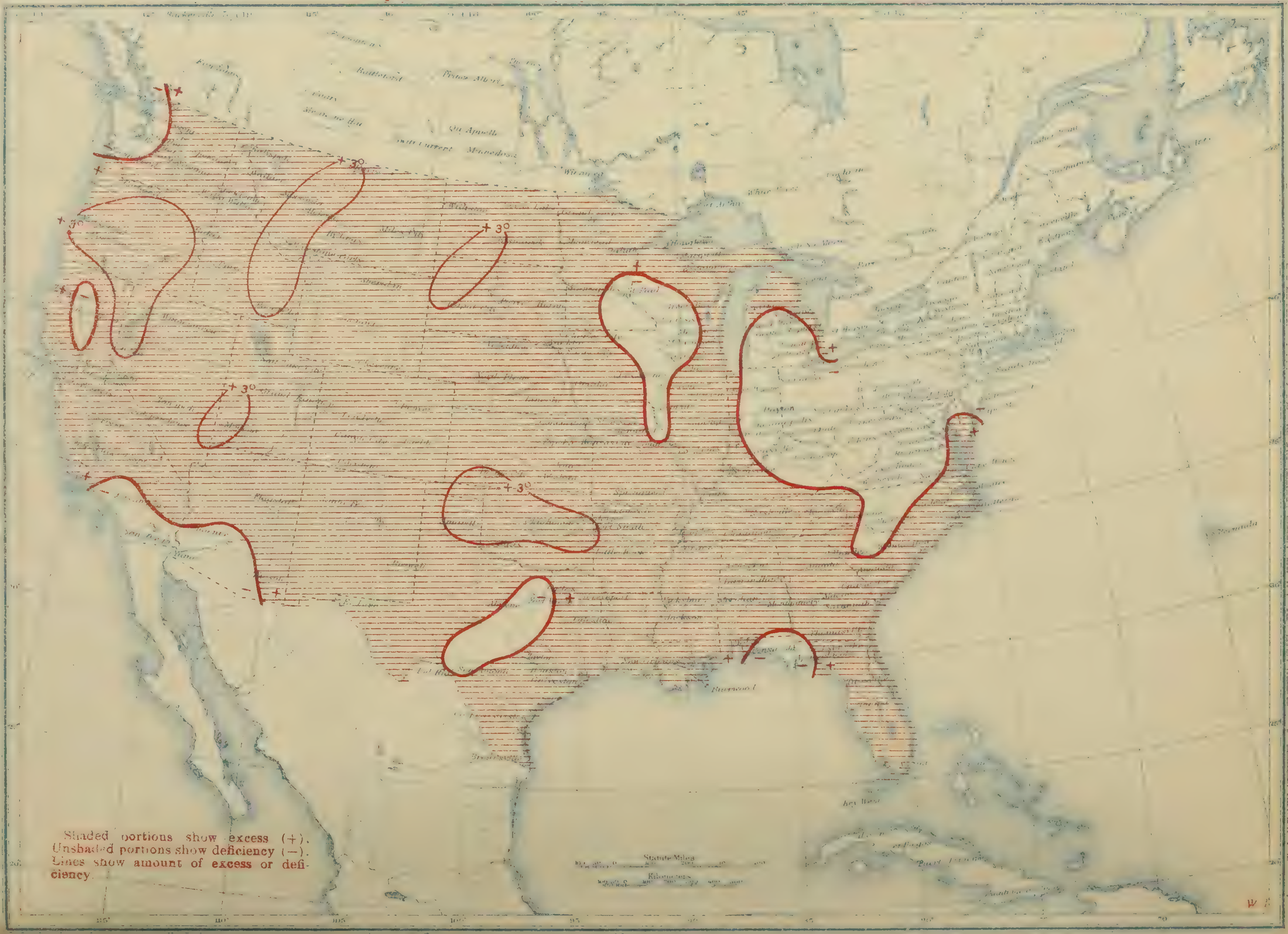
SOUTH CAROLINA SECTION

AUGUST, 1919

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
September 25, 1919

Departure of the Mean Temperature from the Normal, August, 1919.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.
+3°
+3°
+3°
+3°
+3°
Statute Miles
Kilometers

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

Vol. XXII. Columbia, S. C., August, 1919 No. 8.

GENERAL SUMMARY.

Temperatures ranged somewhat above the seasonal average. Precipitation was badly distributed, being abnormally heavy in the Edisto Basin and southward over the extreme southern counties, and considerably below normal elsewhere, except in Chesterfield County.

The showery weather was generally beneficial to all crops, except in the area of abnormal rainfall mentioned. On the whole, the cotton crop recovered materially from the July rains and was again fruiting satisfactorily during the early part of August; in good, well-drained soils the crop maintained good to very good condition generally, but in flat lands and in poor or sandy soils there was a slow deterioration, and fully half the plants had reached maturity and a maximum of fruitage by the close of the month; picking became general in the southern counties about the middle of the month, and the first bale of the season was ginned in Bamberg County on the 18th; the boll weevil caused serious damage in the extreme southern counties. Early corn matured toward the middle of the month, and fodder pulling from this crop was finished about the close; the intermediate crop was generally good to excellent, except considerable deterioration in the central and western counties; the late crop was poor, and large areas were abandoned to accumulated grass. The tobacco curing season closed about the 26th, with fair to good results generally. Minor crops progressed favorably until the closing week, when rain was needed in extensive areas. Fall vegetable planting began toward the end of the month.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 30.00 inches. The highest pressure in the region covered by reports was 30.25 inches at Wilmington, N. C., on he 11th, and in the Section proper, 30.24 inches at Charleston and Greenville on the same date; the lowest pressure was 29.76 inches at Wilmington, N. C., on the 25th, and in the Section proper, 29.79 inches at Columbia and Charleston on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 41 stations, was 78.5°, or 0.4° below the established normal. The highest temperature was 103° at Santuck. Union County, on the 8th. The warmest period was during the first 9 days. The lowest temperature was 53° at Landrum, Spar-anburg County, on the 27th. The coolest periods of the month were between the 11th and 13th and from the 25th to 28th.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Sec-ion, was as follows: 8 a.m., 84%; 8 p. m., 76%. The highest percentages occurred over the lower Savannah watershed and the extreme eastern counties, and the lowest, over the interior.

PRECIPITATION.

The average for the Section, 52 stations reporting, was 5.08 inches, or 0.99 inch below the established normal. The month was generally showery, and the rainfall was badly distributed, there being a superabundance in the Edisto Basin and the extreme lower counties, where the amounts ranged from 7 to nearly 10 inches; elsewhere, the measurements were generally below normal and ranged downward from 5 inches to less than 2 inches. The greatest local monthly amount was 9.69 inches at St. George, Dorchester County; least local monthly amount, 1.44 inches at Effingham, Florence County. The greatest 24-hour rainfall at any station was 5.35 inches at Monetta, Saluda County, on the 12th. The number of rainy days was 10% below normal.

At Swansea, Lexington County, the barn of Mr. J. W. Goodwin was struck by lightning and destroyed, together with contents, entailing an approximated loss of $10,000.

Deaths by Lightning.—In Concord Township, Sumter County, two children of Adam Vaughn, negro farmer, on August 18.

WIND.

The prevailing wind was from the southwest. The average hourly velocity, determined from 8 anemometer records, was 6.4 miles. The highest average velocity was 9.5 miles per hour at Savannah, Ga., and in the Section proper, 8.8 miles per hour at Charleston; the lowest average was 3.9 miles per hour at Charlotte, N. C., and in the Section proper, 5.4 miles per hour at Columbia. The highest velocity for any 5-minute period was 46 miles per hour from the north at Greenville on the 1st.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 264.9 hours, or 64% of the possible amount. The average number of clear days was 14; partly cloudy, 11, and cloudy, 6, as against normals of 13, 11, and 7 days, respectively.

RIVER CONDITIONS.

The July flood in the Santee River passed Ferguson by the 5th, but the river continued near or above flood stages until the heavy rains up-State on the 12th and 13th, when freshet conditions again prevailed, continuing at Ferguson until the 25th. The Saluda River was in flood at Chappells on the 13th. High water occurred in the Congaree River at Columbia on the 13th, and in the Savannah River at Augusta, Ga., on the 14th. The Edisto River was in flood on the 1st and between the 11th and 20th. The damage of importance was a steel bridge across the south fork of the Edisto, at Ergles, which was washed away, and 19 cows in a pasture below the bridge were drowned, incident to the excessive rains below Monetta on the 12th. The remaining rivers of the Section were relatively low during the month.

MISCELLANEOUS DATA FOR AUGUST, 1919.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.02	71.1	91	50	1.77	0.81	5.6	nw.	90	68	56
Augusta, Ga........	29.99	79.8	95	62	2.89	0.78	4.7	s.	85	76	62
Charleston, S. C...	30.01	81.0	97	67	5.70	1.63	8.8	sw.	78	78	67
Charlotte, N. C ...	29.99	77.0	94	60	3.94	1.22	3.9	sw.	83	72	51
Columbia, S. C....	30.01	78.8	95	63	5.70	3.49	5.4	sw.	85	71	69
Greenville, S. C...	29.99	76.2	93	61	4.34	1.44	6.6	w.	82	75	68
Savannah, Ga.....	30.02	80.4	94	65	12.86	6.36	9.5	sw.	86	85	69
Wilmington, N. C.	30.00	78.3	95	64	5.52	1.68	6.7	sw.	83	80	69
Means and extremes......	30.00	77.8	97	50	5.34	6.36	6.4	sw.	84	76	64

Climatological Data for August, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit'on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	R. B. Vance.
Blackville	Barnwell	296	30	79.2	−1.3	98	2	62	27	30	7.15	+1.38	2.00	0	10	11	16	4	...	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	18	77.1	−2.3	96	7	58	27	32	6.61	+0.69	2.05	0	9	15	11	5	sw.	B. O. Evans.
Charleston	Charleston	48	48	81.0	+0.7	97	1	67	13	19	5.70	−1.27	1.63	0	11	7	12	12	sw.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	29	77.8	−0.5	98	7	56	27	32	7.08	+0.31	2.53	0	5	...	...	...	...	Roland D. Powe.
Conway	Horry	25	33	79.0	−0.3	96	1	59	27	31	4.87	−2.19	1.90	0	10	14	0	17	se.	Paul Quattlebaum.
Darlington	Darlington	175	24	78.6	−0.2	95	2	58	27	30	4.10	−0.85	1.49	0	11	12	7	11	...	D. C. McCall.
Edisto ‡‡	Bamberg	143	31	...	...	...	...	...	...	...	9.50	+3.16	2.70	0	11	...	...	...	...	Nathan Jenkins.
Effingham	Florence	106	26	...	...	...	...	...	...	...	1.44	−4.97	0.42	0	5	...	...	...	...	Wm. B. Gillespie.
Ferguson	Orangeburg	63	33	79.7	+1.5	95	† 1	57	28	30	5.08	−2.25	1.26	0	10	8	20	3	sw.	Henry C. Savage.
Florence 1††	Florence	136	30	^{b}79.8	−0.4	97	6	^{b}59	27	^{b}32	3.76	−1.74	1.86	0	11	17	0	14	sw.	H. K. Gilbert.
Florence 2	....do	136	4	...	...	...	...	...	...	...	4.40	−1.10	2.30	0	9	22	5	4	sw.	Pee Dee Experiment Sta.
Garnett	Hampton	82	1	80.6	...	97	8	63	†13	31	3.28	...	0.85	0	16	4	20	7	sw.	Maner B. Robert.
Georgetown	Georgetown	12	24	82.6	+2.5	98	1	64	26	28	6.40	−0.64	1.50	0	9	14	16	1	n.	A. P. Hazard.
Kingstree	Williamsburg	54	30	79.7	+0.3	97	8	59	27	31	3.17	−3.33	0.85	0	10	20	6	5	w.	W. H. Matthews.
Oaks††	Georgetown	...	4	^{d}75.2	...	^{c}94	† 1	^{d}61	3	^{d}26	6.02	...	2.42	0	13	14	14	3	s.	O. M. Mitchell.
Orangeburg	Orangeburg	264	3	^{f}80.8	...	^{d}98	† 1	^{f}60	27	^{f}32	8.05	...	3.04	0	7	...	...	...	...	U. S. Fisheries Station.
Paris Island	Beaufort	13	1	81.6	+0.8	97	8	65	13	26	6.59	+0.48	1.22	0	13	26	2	3	w.	U. S. Marine Corps.
Pinopolis **	Berkeley	54	69	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Miss E. P. Ravenel.
Rimini	Clarendon	97	5	...	...	...	...	...	...	...	6.05	...	1.76	0	12	...	...	...	...	William B. Wolfe.
St. George	Dorchester	109	30	^{b}80.6	+0.8	^{a}98	8	^{b}60	27	^{b}33	9.69	+3.21	2.00	0	10	19	9	3	e.	Miss Alma T. Whiteside.
St. Matthews	Calhoun	62	23	^{b}79.4	+0.1	97	1	^{b}61	27	^{b}29	7.34	+1.61	3.20	0	11	11	19	1	...	Miss Frances M. Antley.
Society Hill	Darlington	192	27	^{b}79.1	+0.7	^{b}97	8	^{b}57	27	^{b}35	3.23	−2.73	1.44	0	11	9	19	3	s.	A. H. Rogers.
Summerville	Dorchester	75	21	78.6	−0.7	93	1	62	27	24	5.02	−3.00	1.54	0	17	2	29	0	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	16	79.4	−1.0	96	6	63	14	26	6.23	−0.78	1.91	0	12	22	6	3	...	J. N. Frank.
Yemassee	Hampton	24	23	79.4	−0.7	95	1	62	13	29	7.99	+1.00	2.47	0	15	18	1	12	w.	W. C. Hutson.
Division means and	extremes	...	...	79.5	0.0	98	† 1	56	27	35	5.86	−0.58	3.20	0	11	14	12	5	sw.	
Western Portion.																				
Aiken	Aiken	527	58	78.8	+0.2	93	† 1	61	†12	28	4.25	−1.38	2.26	0	5	19	3	9	w.	Frank B. McCoy.
Anderson	Anderson	764	23	77.4	−1.2	96	8	60	27	27	5.53	−0.61	1.57	0	11	24	2	5	w.	H. H. Russell.
Batesburg	Lexington	656	30	77.8	−0.9	94	† 6	61	†13	27	6.14	+0.12	3.05	0	5	15	13	3	w.	E. J. Hite.
Blairs	Fairfield	293	16	...	...	...	...	...	...	...	4.94	+0.31	2.45	0	8	...	...	...	...	J. N. Owens.
Calhoun Falls	Abbeville	508	26	78.1	...	99	7	57	27	33	2.91	−1.95	1.07	0	9	11	10	10	s.	L. M. Parker.
Camden	Kershaw	222	59	80.0	+0.2	99	8	65	†11	29	3.26	−2.17	1.53	0	8	13	12	6	ne.	W. C. Brown.
Catawba	York	562	15	...	...	...	...	...	...	...	2.75	−2.62	1.09	0	4	...	...	...	...	James C. Faris.
Chappells	Newberry	402	15	...	...	...	...	...	...	...	5.79	+0.29	3.12	0	8	...	...	...	...	J. J. Murran.
Clemson College	Oconee	850	27	76.8	−0.9	94	8	58	27	24	3.10	−2.37	1.17	0	7	28	2	1	e.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	32	78.8	−0.7	95	7	63	27	24	5.70	−1.08	3.49	0	11	5	11	15	sw.	U. S. Weather Bureau.
Edgefield	Edgefield	...	5	...	...	...	...	...	...	...	6.78	...	3.60	0	10	...	...	...	...	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	6	...	...	...	...	...	...	...	1.90	−3.56	0.92	0	6	...	...	...	...	S. C. Lt., Power & Ry. Co.
Greenville	Greenville	1039	26	76.2	+0.7	93	8	61	27	24	4.34	−1.74	1.44	0	13	4	18	9	w.	U. S. Weather Bureau.
Greenwood	Greenwood	671	30	76.2	−2.5	91	† 1	60	26	26	5.10	−0.98	3.10	0	6	17	0	14	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	18	77.2	−2.2	94	2	61	13	32	2.49	−3.86	1.22	0	5	7	12	12	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	3	78.0	...	97	8	58	27	34	4.06	...	1.38	0	7	25	3	3	w.	John W. Hamel.
Landrum	Spartanburg	1063	4	75.6	...	95	8	53	27	35	5.41	...	1.02	0	8	12	16	3	...	R. Hartwell Wilds, D.D.S.
Laurens	Laurens	589	1	76.4	...	92	† 2	58	†26	30	5.14	...	2.72	0	7	25	0	6	...	Perry A. Simpson.
Liberty	Pickens	900	20	78.5	+0.4	95	7	57	27	31	4.42	−2.34	1.88	0	12	9	20	2	sw.	John T. Boggs.
Little Mountain	Newberry	711	26	77.4	−2.0	93	8	57	26	31	5.85	+0.55	4.52	0	6	18	8	5	s.	J. M. Sease, M. D.
Meriwether	McCormick	450	16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Mrs. Marie R. Middleton.
Monetta	Saluda	400	12	78.3	−0.5	96	8	60	12	31	9.00	+4.04	5.35	0	9	8	17	6	sw.	Joseph M. Johnson.
Newberry	Newberry	502	16	79.1	−0.3	99	1	59	27	30	5.63	+0.19	3.02	0	10	7	14	10	sw.	Warren G. Peterson.
Pelzer	Anderson	850	15	...	...	...	...	...	...	...	3.18	−1.31	1.06	0	10	...	...	...	...	Joshua Y. Jones.
Saluda	Saluda	536	18	^{a}77.8	−1.6	^{a}97	† 1	^{a}57	26	^{a}36	6.58	+0.71	3.80	0	8	25	4	2	w.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	26	79.2	+0.7	103	8	58	27	35	2.98	−2.84	1.32	0	6	12	15	4	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	36	78.4	+0.9	99	4	57	†26	40	4.21	−1.55	1.40	0	9	...	...	...	...	F. P. Robinson.
Trenton	Edgefield	620	30	^{d}77.8	−1.8	^{d}96	8	^{d}61	12	^{d}27	4.54	−1.94	3.05	0	6	15	7	9	sw.	Mrs. S. E. Long.
Walhalla	Oconee	1061	16	76.4	−0.1	95	8	54	26	33	3.01	−3.01	0.53	0	14	10	16	5	sw.	H. W. Brandt.
Winnsboro	Fairfield	545	28	...	...	94	† 1	59	27	...	3.20	−2.46	0.95	0	10	8	20	3	se.	Rev. Oliver Johnson.
Winthrop College ‡‡	York	690	19	78.4	−0.2	98	8	59	27	32	3.25	−2.56	1.20	0	4	7	23	1	s.	W. P. Goodman.
Division means and	extremes	...	...	77.8	−0.7	103	8	53	27	40	4.51	−1.10	5.35	0	8	14	10	7	sw.	
Section means and	extremes	...	...	78.5	−0.4	103	8	53	27	40	5.08	−0.99	5.35	0	9	14	11	6	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Blacksburg; of Winthrop College, Rock Hill. T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for August, 1919.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ||||	Savannah																																......
Blackville ||||	Edisto						.30	.88		.25		.25	.80	1.70		2.00			.65			.12	.05									.40	7.15
Bowman	do	T.				1.08	.44		T.	T.		.12	2.05				T.	T.	T.		1.60	.20				.42					.22	.48	6.61
Charleston ***	Coast	T.				.13	1.62			.34	1.04	.54	1.43				.04	T.		.31		.18	T.		.03	.04						T.	5.70
Cheraw ||||	Pee Dee						T.	T.		.63				2.53			2.06	1.76														.10	7.08
Conway ||||	Waccamaw		.10					.11		1.90	T.			.75			1.04	.05	T.	.06	.07			T.		.06						.73	4.87
Darlington ||||	Pee Dee			1.49	.07		.08	.33		.38				.64			.02	.07	.69	.15												.18	4.10
Edisto ||||	Edisto						2.00	1.10		2.70			.23	1.69		.08		.65	.24			.03				.68						.10	9.50
Effingham ||||	Lynches		.14					.21		T.				.61						.42					.06								1.44
Ferguson ||||	Santee		.42				.47			.95	T.		.46	1.26					.06			.71	.39			.16						.20	5.08
Florence 1 ||||	Pee Dee		.30				.11	1.86		.28				.65			.13		.08	.05				.12		.06						.12	3.76
Florence 2 ||||	do		.25				.10	2.30		T.	.40		T.	.40					.36	.07				.25		T.						.27	4.40
Garnett	Savannah		.20	.14		.27				.29	.14	.12	.22	.02			.11	.01	T.	.06		.28	T.		.08	.85					.26	.23	3.28
Georgetown	Coast	T.						T.	T.		.76		1.48			T.	.30	.40	1.50	.70	.28			T.	T.	T.						.48	6.40
Kingstree ||||	Black		.24				.44	.06		.48			.25	.60			.22						.25			.13						.50	3.17
Oaks	do	.30				.11	.06		1.78		1.05		2.42	.03			.01	T.	T.	.06	.03		.01		.06	.10							6.02
Orangeburg	Edisto			T.				.93	1.56		1.50			.11	3.04				.06	T.						T.	.85						8.05
Paris Island	Coast			.87		.03	.02	1.09			1.22		.91	.33		.26			.06		1.11		.18		.18	.33							6.59
Pinopolis	Cooper																																......
Rimini ||||	Santee		.64							.68		.70	1.76			.50		.24	.10			.13	.05		.05	.15						1.05	6.05
St. George ||||	Edisto						1.90			1.52	.11		.43	2.00				.34				1.07	.32			1.52						.48	9.69
St. Matthews ||||	Santee		.07				.10	.40		2.30			.60	2.60			.20		.80	.12						.02						.13	7.34
Society Hill ||||	do		.36				.08	.21		.11			.02	.66			1.44	.19					.04									.12	3.23
Summerville	Ashley		.05			.28	.45	.04		.80	.15	.05	1.54	.09	.10	T.		.13	.20	.47	.03	T.	.09		T.	.15					T.	.40	5.02
Walterboro	Ashepoo					.10	.04			.66	.12	.73	1.91		.20			.91		.07		.81									.61	.07	6.23
Yemassee ||||	do		.34	.12			2.33	.14	.05		.85	.05	.32	.26		.98		.63			.14		.96			.72						.10	7.99
Western Portion.																																	
Aiken	Edisto					.93		.37					2.26												.25						.44		4.25
Anderson	Savannah	.10				.05			1.20	.03			1.57		.12				.48			.18			.10					.75	.95		5.53
Batesburg ||||	Edisto		.14			T.		.59		.62			.94	3.05						T.			T.			T.							6.14
Blairs ||||	Broad		.38							2.45			.08	1.60									.21		.05	.09						.08	4.94
Calhoun Falls ||||	Savannah						T.	.27		.04			.37	1.07				.12					.43		.09	.35					T.	.17	2.91
Camden ||||	Wateree		.10				.21			1.53			.10	.80			.36								.06							.10	3.26
Catawba ||||	Catawba									.55				.89				.22													1.09		2.75
Chappells ||||	Saluda		.25				2.00						1.09	2.03			.05						.27		.05	.05							5.79
Clemson College	Savannah		.25		.06				.72								.33		.43					.14						1.17			3.10
Columbia ***	Congaree	.01				.60	T.		.82			T.	3.49		.32	.02	.01			T.	T.	.01	T.		.06					.04	.42		5.70
Edgefield ||||	Savannah					.30	.10	.15		1.30			.60	3.60			.05					.28	.12			.28							6.78
Gaston Shoals ||||	Broad	.01											.05	.44			.44	.04													.92		1.90
Greenville ***	Saluda	.86	.03	.01		.30	T.		.09			T.	.74	.17	.06	T.	T.					.19	.39	T.	.06					1.41	.03		4.34
Greenwood ||||	do		.76				.43							.25	3.10								.48			.08							5.10
Heath Spring	Wateree	.86											1.22			.05														.20		.16	2.49
Kershaw ||||	Lynches		.54							.92				1.38			.91		.02												.10	.19	4.06
Landrum	Broad						.51		.25				1.02	.51		2.08						.32								.46	.26		5.41
Laurens ||||	Saluda	.50				1.06			.22			2.72				.15	.47					.02											5.14
Liberty	Savannah	.02		.06		.08	.08		1.88			T.	.10			.10	.05		.01			.20		T.	T.				T.	1.60	.24	T.	4.42
Little Mountain	Saluda	.15			T.	.07	.42						4.52									.28									.41		5.85
Meriwether	Savannah																																......
Monetta	Edisto	.30			.07	.02		.53		2.65			5.35				.04						.02		.02								9.00
Newberry	Saluda	.27				.04	.50			.05			3.00			.75						T.	.31		.07		T.				.23	.41	5.63
Pelzer ||||	do		.04				T.			.24			.40	.66			.06	T.		.06			.22		.12	.02					1.36		3.18
Saluda	do	.65			.12	.27				.32			3.80			.88									.20						.34		6.58
Santuck	Broad	.11					.14						1.32			T.		T.							.15						.63	.63	2.98
Spartanburg ||||	do		.30					.73		T.			.12	1.02			.53	.02	T.				.07		.02						1.40		4.21
Trenton	Edisto	.05			T.	.26	T.			T.			3.05								.70	T.			.35							.13	4.54
Walhalla	Savannah	.36	T.	.33			.38		.47			.03	.04			.07	.11		.03			.33	.01		.06					.53	.26		3.01
Winnsboro	Broad		.27							.49			.31	.95			T.						.08		.05	.09					.26	.28	3.20
Winthrop College	Catawba								1.20			.60	1.20																			.25	3.25

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR AUGUST.

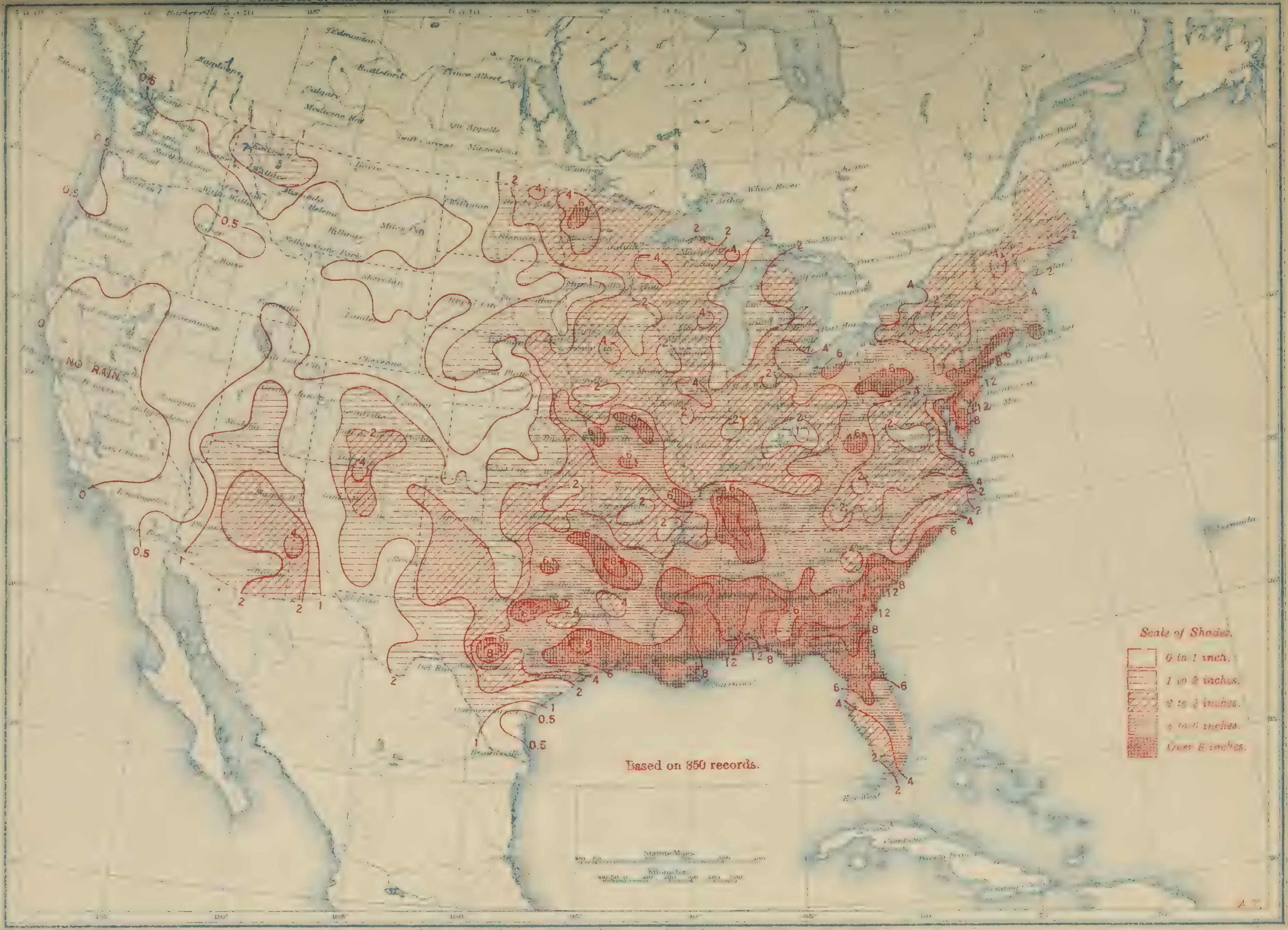
Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	77.8	101	49	6.54	11				
1888	77.8	102	50	4.53	10				sw.
1889	74.4	97	45	6.37	12				se.
1890	77.1	96	51	4.25	9				s.
1891	78.9	98	55	8.79					sw.
1892	79.5	96	59	4.42					sw.
1893	77.5	97	57	12.45	13	10	9	12	ne.
1894	77.9	102	55	7.28	11	10	13	8	sw.
1895	79.4	101	55	7.95	13	9	14	8	sw.
1896	80.4	105	52	4.14	7	14	12	5	sw.
1897	78.0	102	57	5.16	9	13	9	9	sw.
1898	78.7	99	57	9.81	18	8	11	12	sw.
1899	81.2	103	59	6.26	10	12	11	8	sw.
1900	83.0	106	60	2.13	5	21	9	1	sw.
1901	78.6	97	57	9.01	15	7	14	10	s.
1902	78.6	104	55	5.07	12	14	10	7	sw.
1903	80.6	105	60	7.15	12	15	9	7	sw.
1904	77.6	102	54	8.47	14	12	9	10	sw.
1905	77.9	107	46	5.69	11	15	8	8	sw.
1906	80.6	100	60	6.62	15	7	17	7	sw.
1907	79.4	101	54	5.41	9	13	13	5	sw.
1908	78.6	100	49	9.11	10	12	11	8	s.
1909	78.8	104	53	4.83	8	15	12	4	ne.
1910	79.0	101	60	6.00	10	11	12	8	ne.
1911	80.0	104	51	6.05	12	10	15	6	sw.
1912	79.2	104	54	3.69	9	16	8	7	sw.
1913	78.9	109	56	3.76	9	15	9	7	sw.
1914	79.0	101	56	5.88	13	9	15	7	sw.
1915	78.8	102	52	7.62	14	11	11	9	sw.
1916	79.6	100	58	3.27	8	16	10	5	sw.
1917	78.5	102	49	3.23	8	15	10	6	sw.
1918	80.2	106	52	4.45	7	20	7	4	sw.
1919	78.5	103	53	5.08	9	14	11	6	sw.
Period	78.9	109	45	6.07	10	13	11	7	sw.

Daily Temperatures for August, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale	Maximum	....	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Blackville	Maximum	81	98	96	85	90	96	95	96	88	87	80	71	86	91	93	91	90	90	82	92	91	89	90	82	90	87	89	92	92	93	90	89.1
	Minimum	77	73	68	79	72	71	71	71	71	71	71	70	62	64	71	73	70	69	71	67	70	69	69	73	71	64	62	64	67	71	64	69.3
Bowman	Maximum	95	90	89	90	82	93	96	95	98	85	82	74	85	92	90	89	90	85	80	90	89	88	90	85	84	86	87	89	90	92	88	88.2
	Minimum	72	70	62	63	65	72	69	69	68	68	67	64	62	60	60	69	67	68	70	64	65	66	70	70	70	64	58	59	64	65	67	66.0
Charleston	Maximum	97	87	82	85	86	87	91	91	85	85	81	82	85	87	88	91	89	94	91	87	90	87	90	85	88	85	84	91	86	89	87	87.5
	Minimum	81	77	73	75	79	77	76	78	73	74	75	68	67	74	75	75	74	75	72	73	73	74	75	75	72	73	72	73	76	77	75	74.4
Cheraw	Maximum	86	86	91	91	94	95	98	80	88	89	76	86	91	92	89	92	93	89	91	89	89	92	87	93	84	88	88	84	85	81	85	88.5
	Minimum	70	72	58	62	67	72	71	69	69	68	67	68	64	71	70	65	68	66	67	65	67	70	67	70	69	59	56	59	70	70	70	67.0
Conway	Maximum	96	94	83	88	89	87	95	95	84	87	86	81	86	89	91	90	91	93	91	89	93	87	90	81	89	86	88	90	91	92	90	88.7
	Minimum	76	73	60	65	69	75	74	75	71	69	69	70	64	67	71	69	71	71	70	67	72	71	74	69	69	65	59	63	67	71	68	69.2
Darlington §§	Maximum	92	95	84	88	91	93	94	92	78	86	88	75	84	90	90	87	92	91	89	90	89	85	91	81	90	87	87	91	93	92	90	88.5
	Minimum	75	75	72	61	68	75	71	74	70	67	69	69	64	70	71	68	71	68	72	65	71	71	72	70	70	62	58	61	65	69	68	68.8
Ferguson §§	Maximum	95	90	88	85	86	92	95	95	88	86	87	72	90	92	89	88	90	92	89	89	90	88	90	89	89	87	80	87	91	89	90	88.6
	Minimum	77	74	79	79	80	80	72	73	71	72	71	70	64	70	72	70	70	70	73	65	69	69	71	74	70	66	62	57	65	70	70	70.8
Florence 1	Maximum	96	88	82	91	91	97	94	94	85	84	89	82	87	93	93	89	93	95	91	95	93	89	93	84	93	88	90	91	95	95	95	90.8
	Minimum	72	72	62	64	66	72	72	73	71	70	69	70	....	....	72	69	70	70	72	67	71	71	72	71	70	65	59	60	66	66	69	^{b}68.7
Garnett	Maximum	95	90	88	87	95	96	96	97	92	85	87	77	89	94	92	93	94	96	91	91	95	89	94	83	89	87	90	92	93	94	88	90.9
	Minimum	77	75	72	70	74	74	72	72	72	72	72	67	63	68	71	72	71	69	71	67	68	69	70	72	69	69	63	65	68	71	70	70.2
Georgetown	Maximum	98	88	88	89	91	87	92	95	90	88	88	87	90	92	91	92	92	93	93	93	92	92	91	92	91	89	92	91	93	90	89	90.9
	Minimum	80	76	70	70	74	80	84	79	78	75	75	71	73	71	76	76	76	75	71	72	76	74	76	76	74	64	70	70	72	75	71	74.2
Kingstree	Maximum	96	85	86	88	89	93	95	97	84	88	88	84	85	93	95	92	92	94	90	91	92	89	91	86	89	85	89	90	93	93	90	90.1
	Minimum	72	73	72	65	69	74	71	74	70	70	70	67	64	68	71	70	71	70	72	67	71	70	73	72	70	66	59	64	66	71	67	69.3
Oaks	Maximum	94	85	83	87	89	89	94	93	82	86	86	73	83	88	89	89	89	91	89	89	90	85	88	78	88	...	85	86	89	....	....	^{c}84.0
	Minimum	...	70	61	65	68	75	70	70	71	70	72	65	64	69	69	78	80	65	75	74	74	78	78	75	78	....	66	75	75	....	....	^{d}66.4
Orangeburg	Maximum	98	90	92	94	86	94	98	98	89	89	89	79	87	95	95	95	93	96	94	94	....	....	95	86	94	94	92	92	96	....	....	^{d}92.4
	Minimum	75	72	70	68	68	74	69	72	71	72	72	72	...	....	....	....	70	68	70	66	...	....	70	71	70	65	60	64	64	71	65	^{f}69.2
Paris Island §§	Maximum	96	92	86	88	90	95	93	97	90	87	82	79	87	90	91	92	92	94	93	90	89	90	91	84	89	86	89	93	90	90	84	89.6
	Minimum	76	77	75	76	79	79	74	71	75	73	75	71	65	69	73	75	73	74	76	70	74	72	73	74	71	73	73	71	74	75	73	73.5
St. George	Maximum	95	89	91	96	90	....	96	98	87	89	89	80	86	94	90	93	92	94	92	93	93	89	92	85	89	85	90	93	94	94	90	^{a}90.9
	Minimum	76	76	66	69	73	75	72	71	71	73	72	69	64	69	73	72	74	70	70	68	68	69	69	73	72	64	60	....	....	73	70	^{b}70.2
St. Matthews §§	Maximum	97	84	86	88	86	96	93	96	92	89	89	84	86	92	90	92	91	92	88	91	92	89	91	85	93	91	89	90	93	93	90	90.3
	Minimum	....	....	....	....	....	....	....	....	70	70	71	66	62	69	72	69	70	70	70	69	70	70	71	73	70	63	61	64	67	70	69	^{h}68.5
Society Hill §§	Maximum	96	85	85	90	90	94	95	97	77	87	88	73	87	93	95	89	89	94	89	94	93	....	94	87	94	86	....	91	95	95	91	^{b}90.1
	Minimum	76	72	60	65	67	75	71	74	69	69	69	68	64	70	71	68	69	68	71	66	68	71	....	70	70	62	57	....	60	68	68	^{b}68.1
Summerville	Maximum	93	88	85	86	84	91	90	91	86	83	82	79	82	89	86	88	87	91	90	85	89	83	88	80	85	84	86	86	88	88	85	86.4
	Minimum	77	75	66	68	72	75	73	75	71	72	74	70	65	69	72	73	70	71	70	68	72	70	73	76	70	67	62	67	71	71	70	70.8
Walterboro	Maximum	95	87	86	88	87	96	93	94	92	86	83	79	87	88	89	90	91	93	91	90	87	90	90	90	90	91	88	90	87	93	82	89.1
	Minimum	76	74	67	68	71	76	71	72	70	70	69	69	66	63	71	70	69	69	72	69	67	70	69	71	70	69	70	68	67	67	67	69.6
Yemassee	Maximum	95	90	86	87	92	91	93	94	92	86	81	77	87	91	90	91	91	94	89	90	92	88	92	83	88	87	89	90	91	91	88	89.2
	Minimum	76	70	70	69	71	75	70	71	72	71	72	67	62	67	71	73	69	70	73	66	68	68	70	72	69	68	63	66	68	70	70	69.6
Western Portion.																																	
Aiken	Maximum	93	93	86	85	85	93	93	92	91	85	83	79	84	89	87	90	90	90	88	89	88	87	88	85	89	88	86	87	90	89	88	88.1
	Minimum	76	73	68	71	73	73	70	74	72	70	71	61	61	69	73	71	72	66	71	67	70	69	70	71	70	67	63	63	69	69	69	69.4
Anderson	Maximum	91	89	85	85	85	92	94	96	84	85	85	77	84	88	88	88	88	90	84	88	85	81	85	76	80	90	86	86	89	85	86	86.3
	Minimum	73	73	70	68	72	73	73	71	71	73	70	67	63	70	70	68	70	68	70	67	70	69	70	69	69	63	60	62	67	65	63	68.6
Batesburg	Maximum	93	83	83	85	85	94	93	91	84	83	85	78	82	84	85	89	89	[illegible]	85	87	88	88	88	80	89	87	85	87	91	89	89	86.9
	Minimum	76	72	65	69	70	72	70	73	70	68	70	69	61	71	71	72	72	69	72	68	70	69	70	71	68	64	61	64	67	66	69	69.0
Calhoun Falls §§	Maximum	95	96	97	81	92	98	99	97	85	89	95	76	87	91	90	91	92	92	88	91	88	87	88	78	92	86	86	89	92	87	91	89.9
	Minimum	72	72	72	68	70	71	69	70	69	67	67	66	60	61	67	69	69	64	64	65	66	68	68	67	66	59	57	60	61	64	66	66.3
Camden §§	Maximum	96	97	85	90	89	98	93	99	83	89	91	80	87	86	88	93	95	95	86	87	94	88	93	83	89	90	90	92	93	92	92	90.4
	Minimum	74	75	74	67	67	70	71	72	70	69	65	71	73	69	68	70	70	67	68	72	72	72	70	72	71	66	65	66	67	68	70	69.7
Clemson College	Maximum	88	85	84	85	85	87	93	91	79	88	85	85	86	86	86	87	88	85	85	84	87	88	88	83	86	81	81	81	80	81	82	85.3
	Minimum	72	70	70	71	72	73	72	72	70	70	68	70	70	74	72	72	70	64	64	63	71	71	72	68	64	60	58	60	63	64	65	68.2
Columbia	Maximum	94	85	84	86	84	95	95	95	83	85	86	75	85	90	88	89	90	92	83	90	90	83	89	79	90	84	87	88	92	89	89	87.5
	Minimum	75	74	67	71	72	74	71	74	72	71	72	64	64	70	73	70	72	70	72	68	71	71	72	71	69	67	63	65	69	69	69	70.1
Greenville	Maximum	91	84	80	85	87	90	92	93	81	81	86	71	83	87	84	86	87	89	84	87	84	82	86	77	89	82	84	84	87	78	84	84.7
	Minimum	68	72	70	63	72	72	71	73	70	69	70	62	61	70	70	67	68	68	69	66	69	69	69	67	65	65	61	62	67	66	65	67.8
Greenwood	Maximum	91	83	80	78	78	90	90	91	83	80	85	78	82	87	85	87	87	87	84	87	85	81	83	80	87	84	82	84	88	85	86	84.5
	Minimum	70	71	67	70	71	73	71	72	71	68	68	62	61	70	70	71	70	68	70	67	68	68	69	69	67	60	61	64	68	66	67	68.0
Heath Spring	Maximum	92	94	87	88	87	90	91	92	75	88	86	75	75	87	86	83	87	88	86	89	86	82	88	90	92	91	86	87	88	87	87	86.8
	Minimum	68	70	62	65	68	70	69	71	69	68	68	69	61	71	71	66	70	69	72	67	71	69	70	68	67	62	62	62	67	67	67	67.6
Kershaw	Maximum	94	85	82	90	88	95	95	97	78	87	87	78	84	90	89	89	90	91	87	91	89	86	92	81	91	85	87	89	94	89	90	88.4
	Minimum	73	73	60	64	70	73	69	73	69	69	68	65	62	71	70	67	71	67	71	66	68	70	70	72	67	60	58	60	67	67	67	67.6
Landrum	Maximum	91	86	86	88	92	93	91	95	82	85	87	78	83	89	87	86	87	90	86	89	86	85	88	80	91	83	85	84	89	81	83	86.6
	Minimum	74	73	62	59	65	59	67	69	68	67	68	65	57	65	67	66	72	63	61	59	65	68	65	66	63	56	53	71	65	65	62	64.7
Laurens §§	Maximum	91	92	81	85	87	91	90	92	81	82	85	71	84	88	89	87	88	88	85	88	87	84	85	80	88	81	84	86	88	84	87	85.8
	Minimum	73	72	69	66	68	73	70	72	71	68	67	63	60	63	70	71	69	66	69	67	69	69	69	70	63	58	58	58	61	67	68	67.0
Liberty	Maximum	92	89	85	87	92	93	94	95	84	83	89	82	87	92	91	93	91	93	89	91	87	88	87	82	90	85	88	86	89	82	85	88.4
	Minimum	75	74	70	65	73	74	71	70	71	69	70	66	64	71	71	69	69	76	69	65	70	70	69	68	65	66	57	61	66	66	64	68.5
Little Mountain	Maximum	92	84	84	84	85	92	92	93	86	87	86	78	83	87	87	88	90	88	84	88	88	83	84	78	88	88	85	85	88	88	86	86.4
	Minimum	73	71	70	65	72	73	69	73	73	74	70	60	61	70	70	69	71	71	71	68	68	67	68	71	67	57	62	64	67	67	68	68.5
Meriwether	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	...	...	....	...	....	....	...	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Monetta	Maximum	94	85	86	83	86	94	94	96	87	83	86	79	83	91	87	89	91	91	85	90	88	85	90	82	91	86	87	90	94	89	90	88.1
	Minimum	75	73	66	70	71	72	69	72	69	69	71	60	61	69	71	70	71	66	72	67	69	70	70	71	68	65	61	63	67	67	67	68.5
Newberry	Maximum	99	86	85	88	89	97	96	96	91	86	88	83	85	92	91	90	93	92	90	93	91	85	89	81	93	86	89	89	93	91	91	89.9
	Minimum	75	73	66	69	71	72	70	73	72	70	70	62	61	70	71	68	71	66	71	67	69	70	70	71	67	60	59	61	66	66	69	68.3
Saluda	Maximum	97	85	85	80	87	97	97	96	87	85	86	85	86	91	90	91	93	91	85	91	89	85	89	80	90	85	85	88	92	88	....	^{a}88.5
	Minimum	72	70	65	69	70	70	69	70	69	69	65	65	59	69	71	68	70	65	70	77	68	68	69	71	65	57	58	56	63	65	....	^{a}67.1
Santuck	Maximum	94	88	86	87	90	94	95	103	82	90	89	77	90	91	95	91	99	94	89	96	91	91	92	81	93	93	90	89	99	90	89	90.8
	Minimum	73	72	67	64	73	72	69	73	71	69	67	63	61	72	71	68	70	66	70	67	69	69	69	70	67	60	58	61	68	65	64	67.7
Spartanburg	Maximum	94	89	84	99	94	95	94	96	85	86	90	82	87	91	89	89	91	92	88	92	92	86	94	83	96	97	88	88	92	84	84	90.0
	Minimum	74	71	68	63	71	74	71	73	71	67	68	67	60	70	69	66	67	65	67	66	68	69	68	68	66	57	57	61	60	65	62	66.7
Trenton	Maximum	92	86	86	86	86	92	95	96	86	85	86	80	82	....	...	....	....	88	89	87	87	87	88	88	87	84	84	88	92	88	87	^{d}87.5
	Minimum	76	72	66	64	66	72	71	71	71	70	68	61	62	....	...	....	..	69	71	68	69	70	70	69	69	63	62	65	68	67	67	^{d}68.0
Walhalla	Maximum	94	93	81	86	90	92	93	95	83	82	88	76	88	89	92	88	92	93	89	92	86	83	87	80	93	84	87	87	91	80	86	87.7
	Minimum	71	71	68	62	68	69	66	70	68	69	66	67	62	66	68	67	64	63	65	60	65	68	67	66	62	54	55	59	62	65	62	65.0
Winnsboro	Maximum	89	94	83	80	....	....	...	....	...	....	....	....	..	....	....	....	....	....	....	....	....	....	...	....	....	...	...	88	92	82	....	....
	Minimum	76	72	62	66	71	74	69	73	70	69	69	70	60	65	71	67	71	68	68	66	69	69	69	70	68	60	59	61	63	66	67	67.7
Winthrop College	Maximum	94	88	83	90	91	96	97	98	81	80	86	79	86	85	90	89	90	91	88	91	88	87	91	88	92	91	91	85	91	90	85	88.8
	Minimum	76	72	64	65	70	73	70	73	74	69	68	65	61	71	66	67	67	66	69	67	69	70	69	71	68	60	59	68	69	68	67	68.1

Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing: For example, ^{b} represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.



Based on 850 records.

UNIVERSITY OF ILLINOIS
[illegible]

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

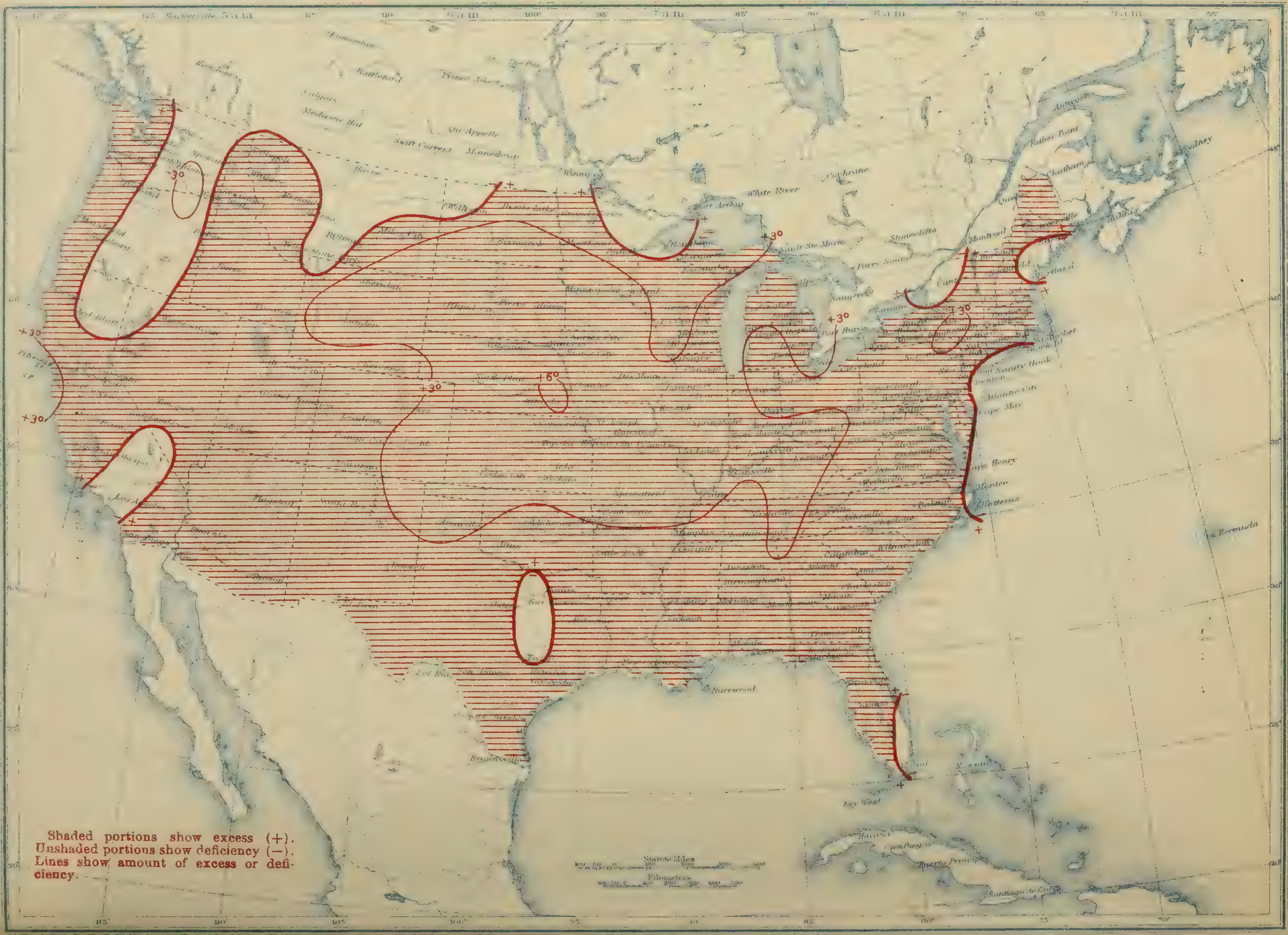
SOUTH CAROLINA SECTION

SEPTEMBER, 1919

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
October 22, 1919

Departure of the Mean Temperature from the Normal, September, 1919.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.
RICHARD H. SULLIVAN. Meteorologist.

Vol. XXII. Columbia, S. C., September, 1919 No. 9.

GENERAL SUMMARY.

The month was the driest September during the past 33 years, and records of light rainfall were equaled or broken at many stations of the central and northern counties. Temperatures ranged about normal.

On account of persistent drought after the first few days of the month, there was a steady decline in the condition of all crops. The dry weather caused cotton to open rapidly, with picking at a maximum and the ginneries rushed; there was considerable premature opening and shedding during the first week, and the area of abnormal development increased as the month advanced, with much complaint of short staple and the top crop prospects noticeably declining. Intermediate corn was practically matured at the close of the month, but the late crop was generally poor, due to accumulated grass earlier in the season, followed by drought. Gardens, late truck, and pastures reflected the desiccating effects of drought, and the white potato stand was decidedly disappointing. The sweet potato and peanut harvests progressed, with generally good returns. The weather was ideal for hay-making, and large quantities of good hay were secured. A fine quality of molasses was being marketed at the close of the month. All kinds of good fruit and vegetables were scarce and expensive. But little plowing could be done during the month on account of hard soil.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 30.05 inches. The highest pressure in the region covered by reports was 30.39 inches at Charlotte, N. C., on the 28th, and in the Section proper, 30.34 inches at Columbia and Greenville on the same date; the lowest pressure was 29.72 inches at Charlotte, N. C., on the 11th, and in the Section proper, 29.74 inches at Greenville on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 43 stations, was 74.1°, or 0.1° above normal. The highest temperature was 99° at Santuck, Union County, on the 9th, and at Society Hill, Darlington County, on the 23d. The warmest periods were generally from the 7th to 12th and between the 21st and 23d. The lowest temperature was 45° at Landrum, Spartanburg County, on the 29th. The coolest period was generally during the last week, although temperatures were relatively low about the 15th.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 80%; 8 p. m., 65%. The highest percentages occurred over the extreme southern counties, and the lowest, over the northern interior.

PRECIPITATION.

The average for the Section, 56 stations reporting, was 0.97 inch, or 2.93 inches below the established normal and the lowest September average of record. The principal rainfall of the month occurred in the eastern portion during the first three days, followed by two short periods of light showers, with intervening drought. The total monthly amounts were below normal, except in northeastern Chesterfield County, and ranged from somewhat over 4 inches downward to nothing or traces in portions of Orangeburg, Lexington, Aiken, McCormick, Saluda, Newberry, and Laurens Counties. In fact, in extensive areas of the central and northern counties the records of light rainfall were equaled or broken. The greatest local monthly rainfall was 4.14 inches at Cheraw, Chesterfield County, and the least local monthly amount was 0.00 at Chappells, Newberry County; Meriwether, McCormick County, and Orangeburg, Orangeburg County. The greatest 24-hour amount at any station was 2.41 inches at Summerville, Dorchester County, on the 12th. The number of rainy days was the lowest of record for September and was 71% below normal.

WIND.

The prevailing wind was from the northeast. The average hourly velocity, determined from 8 anemometer records, was 6.7 miles. The highest average velocity in the region covered by reports was 10.4 miles per hour at Charleston; the lowest average velocity was 4.2 miles per hour at Charlotte, N. C., and in the Section proper, 6.1 miles per hour at Columbia. The highest velocity for any 5-minute period was 42 miles per hour from the northeast at Savannah, Ga., on the 30th, and in the Section proper, 35 miles per hour from the north at Greenville on the 11th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 298.3 hours, or 80% of the possible amount. The average number of clear days was 22; partly cloudy, 6, and cloudy, 2, as against normals of 15, 9, and 6 days, respectively.

RIVER CONDITIONS.

On account of prolonged drought, the rivers of the Section were uniformly low throughout the month.

MISCELLANEOUS PHENOMENA (dates).

Fog, dense.—Blackville, 11, 18; Bowman, 27, 29; Charleston, 16; Columbia, 21; Edisto, 7, 16; Georgetown, 16; Kingstree, 22; Liberty, 12, 22; Rimini, 8, 20, 21, 22, 23.

MISCELLANEOUS DATA FOR SEPTEMBER, 1919.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.10	66.2	89	43	0.30	0.19	5.3	nw.	84	58	83
Augusta, Ga.......	30.03	75.3	94	53	0.06	0.06	4.9	ne.	83	62	87
Charleston, S. C...	30.03	76.3	90	60	1.76	0.80	10.4	ne.	89	76	79
Charlotte, N. C ...	30.06	72.7	93	50	0.84	0.48	4.2	ne.	75	57	80
Columbia, S. C....	30.06	74.6	94	53	0.08	0.08	6.1	n.	77	56	82
Greenville, S. C...	30.05	72.7	92	53	0.07	0.04	6.8	ne.	74	55	86
Savannah, Ga.....	30.02	76.0	92	57	1.73	1.11	9.7	ne.	87	80	70
Wilmington, N. C.	30.05	73.1	89	56	1.90	0.93	6.3	ne.	84	76	76
Means and extremes ...	30.05	73.4	94	43	0.84	1.11	6.7	ne.	80	65	80

Climatological Data for September, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip'on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Barnwell	186	30	^{b}74.8	−1.2	^{b}96	11	^{b}56	28	^{b}30	0.20	−3.69	0.20	0	1	......	......	......	......	R. B. Vance.
Blackville	Barnwell	296	30	74.6	−1.0	98	†22	53	15	40	0.12	−4.25	0.12	0	1	25	5	0	......	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	18	73.1	−2.1	93	†11	55	†14	35	1.36	−2.10	1.36	0	1	24	4	2	e.	B. O. Evans.
Charleston	Charleston	48	48	76.3	+0.1	90	23	60	29	18	1.76	−3.70	0.80	0	5	20	5	5	ne.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	29	72.1	−1.0	88	†21	53	25	32	4.14	+0.51	1.62	0	4	......	......	......	......	Roland D. Powe.
Conway	Horry	25	33	73.4	−1.4	92	†11	51	†25	35	1.33	−3.52	0.59	0	6	24	0	6	ne.	Paul Quattlebaum.
Darlington	Darlington	175	24	^{b}75.0	+0.7	^{b}95	† 6	^{b}49	25	^{b}39	0.89	−2.94	0.75	0	2	27	2	1	......	D. C. McCall.
Edisto ‡‡	Bamberg	143	31	......	......	......	......	......	......	......	0.48	−3.17	0.31	0	3	......	......	......	......	Nathan Jenkins.
Effingham	Florence	106	26	......	......	......	......	......	......	......	1.66	−1.86	1.04	0	3	......	......	......	......	Wm. B. Gillespie,
Ferguson	Orangeburg	63	33	73.3	−0.7	93	11	48	25	33	0.82	−2.98	0.42	0	3	24	2	4	ne.	Henry C. Savage.
Florence 1	Florence	136	30	^{c}75.7	+1.0	^{c}96	† 1	^{c}52	25	^{c}40	0.98	−3.09	0.90	0	2	25	2	3	sw.	H. K. Gilbert.
Florence 2	....do	136	4	......	......	......	......	......	......	......	1.71	−2.36	1.58	0	2	26	2	2	ne.	Pee Dee Experiment Sta.
Garnett	Hampton	82	1	75.8	......	98	11	52	25	36	0.67	....	0.36	0	3	9	18	3	ne.	Maner B. Robert.
Georgetown	Georgetown	12	24	77.6	+1.7	97	23	60	29	29	2.05	−2.12	0.70	0	4	20	7	3	ne.	A. P. Hazard.
Kingstree	Williamsburg	54	30	73.4	−1.1	94	23	52	25	35	2.15	−1.68	1.16	0	3	25	1	4	ne.	W. H. Matthews.
Oaks	Georgetown	......	4	......	......	94	23	......	......	......	3.02	....	1.35	0	3	......	......	......	......	O. M. Mitchell.
Orangeburg	Orangeburg	264	3	73.8	......	96	23	51	25	39	0.00	....	0.00	0	0	......	......	......	......	U. S. Fisheries Station.
Paris Island	Beaufort	13	1	76.8	−0.4	93	11	59	29	25	1.56	−3.67	0.43	0	8	25	1	4	n.	U. S. Marine Corps.
Pinopolis **	Berkeley	54	69	......	......	......	......	......	......	......	2.28	−2.31	1.58	0	3	......	......	......	......	Miss E. P. Ravenel.
Rimini	Clarendon	97	5	......	......	......	......	......	......	......	0.50	....	0.50	0	1	......	......	......	......	William B. Wolfe.
St. George	Dorchester	109	30	74.8	−0.1	96	23	55	†15	37	1.00	−3.06	0.90	0	2	26	0	4	se.	Miss Alma T. Whiteside.
St. Matthews	Calhoun	62	23	74.4	+0.2	95	†21	52	25	37	0.67	−2.97	0.67	0	1	22	8	0	s.	Miss Frances M. Antley.
Society Hill	Darlington	192	27	^{c}72.6	−0.6	^{c}99	23	^{c}47	15	^{c}41	1.52	−2.50	0.83	0	5	19	8	3	e.	A. H. Rogers.
Summerville	Dorchester	75	21	73.2	−1.8	89	11	55	25	26	3.70	−0.62	2.41	0	6	5	22	3	e.	Miss E. H. Gadsden.
Walterboro	Colleton	69	16	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. N. Frank.
Yemassee	Hampton	24	23	74.7	−0.8	93	11	52	25	35	1.02	−3.22	1.02	0	1	25	1	4	ne.	W. C. Hutson.
Division means and	extremes	......	....	74.5	−0.5	99	23	47	15	41	1.47	−2.83	2.41	0	3	21	6	3	ne.	
Western Portion.																				
Aiken	Aiken	527	58	75.6	−1.5	93	10	54	29	33	0.35	−2.99	0.30	0	2	26	1	3	ne.	Frank B. McCoy.
Anderson	Anderson	764	23	74.0	−0.2	94	10	54	29	34	0.10	−3.30	0.05	0	2	25	0	5	e.	H. H. Russell.
Batesburg	Lexington	656	30	74.4	+0.5	95	10	49	29	36	T.	−3.89	T.	0	0	18	12	0	nw	E. J. Hite.
Blairs	Fairfield	293	16	......	......	......	......	......	......	......	0.31	−2.51	0.19	0	2	......	......	......	......	J. N. Owens.
Calhoun Falls	Abbeville	508	26	73.9	......	97	† 9	51	†15	40	0.55	−3.45	0.43	0	2	17	10	3	s.	L. M. Parker.
Camden	Kershaw	222	59	76.7	+3.1	96	† 8	55	15	37	0.23	−3.52	0.12	0	2	26	2	2	ne.	W. C. Brown.
Catawba	York	562	15	......	......	......	......	......	......	......	2.12	−1.09	1.67	0	2	......	......	......	......	James C. Faris.
Chappells	Newberry	402	15	......	......	......	......	......	......	......	0.00	−3.06	0.00	0	0	......	......	......	......	J. J. Murran.
Clemson College	Oconee	850	27	^{d}7.12	−1.6	^{d}89	12	^{d}49	29	^{d}35	1.05	−3.17	0.54	0	3	29	0	1	e.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	32	74.6	+0.9	94	23	53	29	30	0.08	−3.37	0.08	0	1	21	5	4	n.	U S. Weather Bureau.
Edgefield	Edgefield	......	5	......	......	......	......	......	......	......	0.15	......	0.15	0	1	......	......	......	......	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	6	......	......	......	......	......	......	......	0.62	−2.35	0.33	0	4	......	......	......	......	S. C. Lt., Power & Ry. Co.
Greenville	Greenville	1039	26	72.7	+1.8	92	11	53	29	29	0.07	−3.84	0.04	0	2	19	10	1	n.	U. S. Weather Bureau.
Greenwood	Greenwood	671	30	72.2	−1.2	91	11	52	†14	34	0.48	−3.31	0.30	0	2	27	0	3	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	18	73.5	−0.3	93	9	49	29	35	2.01	−1.17	1.65	0	3	20	9	1	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	3	73.2	......	95	† 9	49	28	39	0.82	....	0.78	0	2	28	0	2	e.	John W. Hamel.
Landrum	Spartanburg	1063	4	73.6	......	95	† 9	45	29	41	0.61	....	0.47	0	3	20	10	0	......	R. Hartwell Wilds, D.D.S.
Laurens	Laurens	589	1	71.2	......	92	11	48	29	34	T.	....	T.	0	0	24	6	0	......	Perry A. Simpson.
Liberty	Pickens	900	20	73.2	+0.2	95	11	50	30	34	1.28	−2.78	0.78	0	3	20	10	0	se.	John T. Boggs.
Little Mountain	Newberry	711	26	74.5	−0.5	92	† 9	50	29	33	0.34	−2.62	0.34	0	1	23	6	1	s.	J. M. Sease, M. D.
Meriwether	McCormick	450	16	......	......	......	......	......	......	......	0 00	−3.07	0.00	0	0	......	......	......	......	Mrs. Marie R. Middleton.
Monetta	Saluda	400	12	74.6	+0.3	94	† 9	52	29	37	T.	−3.58	T.	0	0	18	11	1	ne.	Joseph M. Johnson.
Newberry	Newberry	502	16	74.2	−0.2	95	10	50	29	41	1.21	−1.82	1.21	0	1	8	21	1	ne.	Warren G. Peterson.
Pelzer	Anderson	850	15	......	......	......	......	......	......	......	1.20	−2.01	0.66	0	3	......	......	......	......	Joshua Y. Jones.
Saluda	Saluda	536	18	73.2	−1.2	95	10	47	27	45	0.15	−3.15	0.15	0	1	29	1	0	ne.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	26	74.5	−1.1	99	† 9	48	29	42	0.97	−2.50	0.97	0	1	25	5	0	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	36	73.0	+0.9	98	11	50	29	39	1.85	−1.46	0.98	0	4	......	......	......	......	F. P. Robinson.
Trenton	Edgefield	620	30	75.2	−0.1	94	10	52	28	34	0.10	−3.27	0.10	0	1	28	2	0	se.	Mrs. S. E. Long.
Walhalla	Oconee	1061	16	^{a}73.2	+2.4	95	†10	^{a}46	29	^{a}40	0.20	−5.25	0.07	0	3	24	5	1	ne.	H. W. Brandt.
Winnsboro	Fairfield	515	28	^{f}74.8	+1.6	^{f}95	†10	^{a}50	29	^{f}35	0.40	−3.06	0.39	0	2	24	6	0	se.	Rev. Oliver Johnson.
Winthrop College ‡‡	York	690	19	73.8	+0.6	96	7	49	29	36	0.50	−2.78	0.50	0	1	20	9	1	ne.	W. P. Goodman.
Division means and	extremes	......	....	73.8	0.0	99	9	45	29	45	0.63	−2.98	1.67	0	2	23	6	1	ne.	
Section means and	extremes	......	....	74.1	+0.1	99	† 9	45	29	45	0.97	−2.93	2.41	0	2	22	6	2	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Blacksburg; of Winthrop College, Rock Hill.

T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for September, 1919.

Stations.	Watersheds.	Day of month.																														Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
llendale ‖‖	Savannah													.20																			0.20
lackville ‖‖	Edisto		.12																														0.12
owman	do		1.36										T.											T.						T.			1.36
harleston ***	Coast	.25	.55										.66											.01						T.	.29		1.76
heraw ‖‖	Pee Dee	1.62	1.40	.34									.78																				4.14
onway ‖‖	Waccamaw	.19	.20	.59									.04	.02			T.								.29								1.33
arlington ‖‖	Pee Dee		.75																						.14								0.89
disto ‖‖	Edisto	.31	.03																						.14								0.48
ffingham ‖‖	Lynches	.47	1.04																						.15								1.66
erguson ‖‖	Santee	.31	.42											.09																			0.82
lorence 1 ‖‖	Pee Dee		.90																						.08								0.98
lorence 2 ‖‖	do		1.58	.13																					T.								1.71
arnett	Savannah	.09	.36										.22											T.									0.67
eorgetown	Coast		.70	.25																				.60	.50						T.		2.05
ingstree ‖‖	Black	1.16	.42																						.57								2.15
aks	do	1.30	1.35																						.37								3.02
rangeburg	Edisto																																0.00
aris Island	Coast	.06	.18	.28							.35		.43				.02							.22							.02		1.56
inopolis	Cooper												1.58								.30									.40			2.28
Rimini ‖‖	Santee		.50																														0.50
St. George ‖‖	Edisto	.90												.10																			1.00
St. Matthews ‖‖	Santee	.67																															0.67
Society Hill ‖‖	do	.25	.24	.83									.11												.09								1.52
Summerville	Ashley	T.	.71										2.41				.02							.15	.05					T.	.36		3.70
Walterboro	Ashepoo																																....
Yemassee ‖‖	do													1.02											T.								1.02
Western Portion.																																	
Aiken	Edisto		.05																				.30										0.35
Anderson	Savannah												.05										.05										0.10
Batesburg ‖‖	Edisto												T.																				T.
Blairs ‖‖	Broad	.12											.19																				0.31
Calhoun Falls ‖‖	Savannah												.43										.12										0.55
Camden ‖‖	Wateree	.11																							.12								0.23
Catawba ‖‖	Catawba	1.67											.45																				2.12
Chappells ‖‖	Saluda																																0.00
Clemson College	Savannah											.14									.54	.37											1.05
Columbia ***	Congaree												.08										T.	T.						T.	T.		0.08
Edgefield ‖‖	Savannah	.15																															0.15
Gaston Shoals ‖‖	Broad	.33												.05									.08		.16								0.62
Greenville ***	Saluda												.03									.04		T.									0.07
Greenwood ‖‖	do													.18									.30										0.48
Heath Spring	Wateree												1.65										.21						.15				2.01
Kershaw ‖‖	Lynches													.78										.04									0.82
Landrum	Broad												.47	.06							.08												0.61
Laurens ‖‖	Saluda																					T.		T.									T.
Liberty	Savannah												.78								T.	.40	.10										1.28
Little Mountain	Saluda												.34											T.									0.34
Meriwether	Savannah																																0.00
Monetta	Edisto													T.																			T.
Newberry	Saluda													1.21																			1.21
Pelzer ‖‖	do													.26									.66		.28								1.20
Saluda	do												.15																				0.15
Santuck	Broad												.97											T.									0.97
Spartanburg ‖‖	do	.40												.07									.40		.98								1.85
Trenton	Edisto													.10																			0.10
Walhalla	Savannah												.07								.06		.07										0.20
Winnsboro	Broad													.39											.01								0.40
Winthrop College	Catawba																							.50									0.50

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	72.2	101	34	1.12	4				e.
1888	69.6	93	31	9.86	13				ne.*
1889	72.1	98	40	3.34	5				se.
1890	72.9	98	49	7.84	16				ne.
1891	74.3	92	50	2.66					ne.
1892	72.5	93	40	6.41					ne.
1893	74.7	98	46	4.42	7	14	7	9	sw.
1894	75.0	100	52	6.51	12	12	10	8	ne.
1895	76.9	106	35	1.29	4	17	8	5	ne.
1896	75.0	105	39	2.94	5	17	8	5	ne.
1897	73.3	100	42	2.91	4	17	7	6	ne.
1898	76.0	96	48	4.06	7	12	10	8	ne.
1899	72.8	102	34	2.55	6	17	8	5	ne.
1900	77.1	100	45	2.83	5	19	8	3	ne.
1901	73.1	98	46	4.66	6	15	8	7	ne.
1902	72.1	98	43	3.74	8	13	9	8	ne.
1903	72.7	100	41	3.62	5	17	7	6	ne.
1904	75.8	101	44	2.46	4	19	7	4	ne.
1905	76.2	98	49	1.91	4	16	8	6	ne.
1906	78.0	98	55	4.85	9	10	12	8	ne.
1907	76.0	99	45	5.91	9	13	11	6	w.
1908	72.4	94	40	2.86	4	15	9	6	ne.
1909	72.0	98	39	3.74	7	13	9	8	ne.
1910	75.8	103	46	3.10	7	15	12	3	ne.
1911	78.9	100	50	3.33	8	13	13	4	sw.
1912	77.7	109	47	5.91	11	10	7	13	e.
1913	71.7	99	40	4.66	9	14	7	9	ne.
1914	71.3	101	43	3.63	7	14	9	7	ne.
1915	75.9	102	43	2.38	5	16	8	6	ne.
1916	72.2	99	35	2.56	7	17	8	5	ne.
1917	71.2	98	40	5.75	10	12	8	10	ne.
1918	69.8	96	36	3.87	7	18	5	7	ne.
1919	74.1	99	45	0.97	2	22	6	2	ne.
Period	74.0	109	31	3.90	7	15	9	6	ne

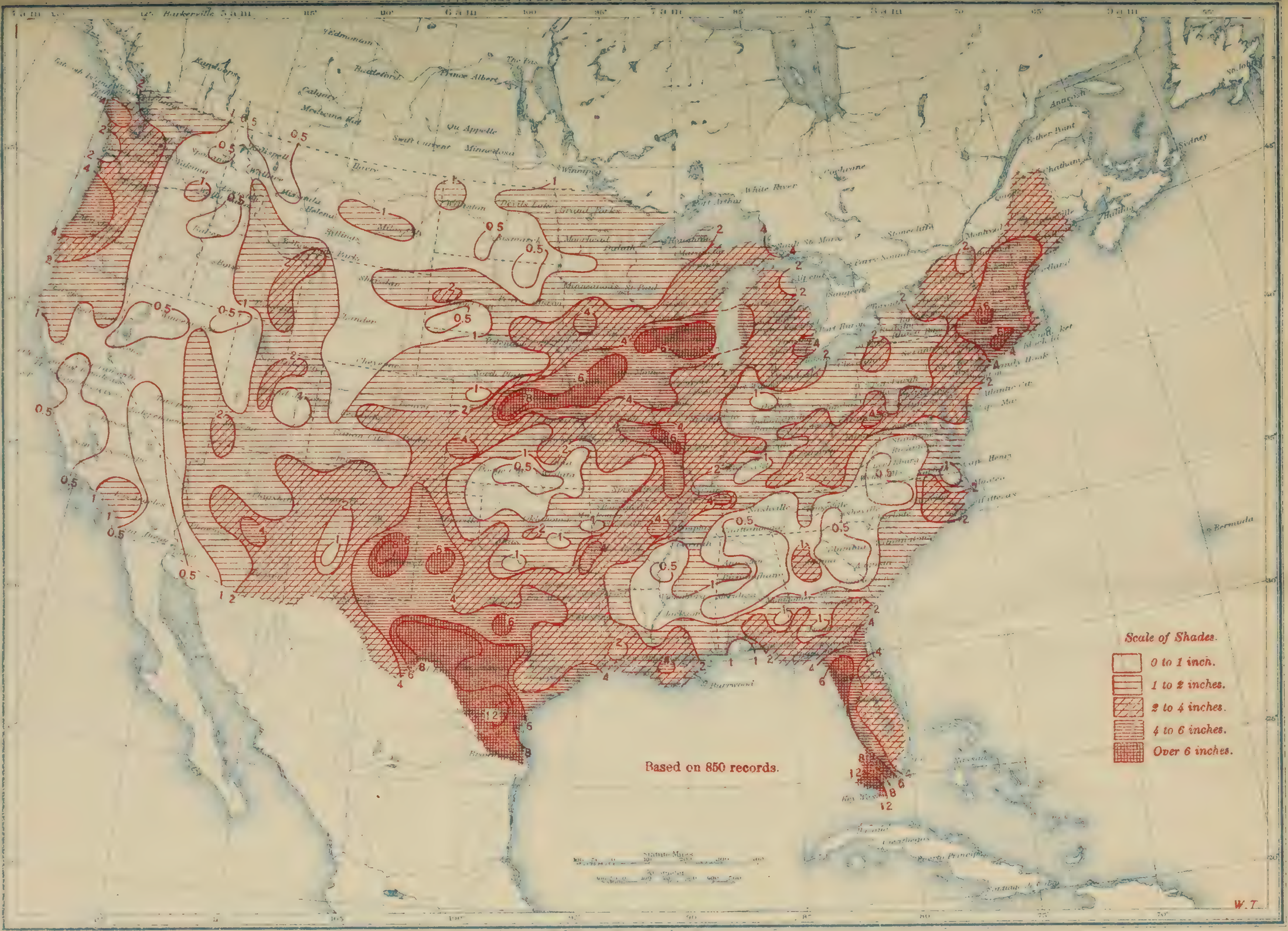
*Also e. and s.

Daily Temperatures for September, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale	Maximum	81	81	85	90	88	90	90	90	90	93	96	83	89	85	85	....	....	88	87	88	87	90	92	80	79	84	79	80	82	81	....	[b]86.1
	Minimum	72	66	61	59	59	61	64	64	63	63	74	73	62	62	59	59	....	....	67	66	68	66	71	65	57	59	60	56	59	60	....	[b]63.4
Blackville	Maximum	78	78	88	89	88	89	90	89	87	95	88	85	83	86	93	93	90	89	88	92	94	96	96	87	87	90	89	70	86	84	....	87.9
	Minimum	68	66	59	57	58	60	63	62	61	61	71	68	57	57	53	54	65	62	62	63	65	66	66	64	55	56	57	57	57	68	....	61.3
Bowman	Maximum	77	75	82	85	87	89	89	89	90	91	93	90	80	84	88	89	90	90	90	90	90	92	93	85	82	85	85	90	82	82	....	86.8
	Minimum	63	65	56	57	56	58	62	61	59	62	65	68	57	55	56	58	60	60	60	61	62	62	62	60	55	56	56	55	56	60	....	59.4
Charleston	Maximum	80	79	83	84	83	83	83	85	83	86	89	89	77	78	80	87	85	82	82	84	83	85	90	79	80	84	81	77	78	79	....	82.6
	Minimum	73	68	66	68	69	73	74	72	71	73	75	72	71	68	67	69	73	74	76	74	74	72	75	65	65	66	64	62	60	71	....	70.0
Cheraw	Maximum	77	84	83	79	80	81	80	83	86	87	80	80	81	85	88	83	81	82	84	85	88	88	80	77	81	77	75	79	82	87	....	82.1
	Minimum	67	62	58	57	60	61	67	66	65	68	74	72	59	55	56	62	65	58	61	64	66	65	68	60	53	54	59	54	59	66	....	62.1
Conway	Maximum	80	75	84	85	86	86	87	87	87	90	92	86	84	84	88	90	88	84	84	88	88	92	92	81	81	85	86	80	81	80	....	85.2
	Minimum	66	68	61	56	59	63	64	62	62	64	72	74	59	54	55	66	68	58	60	61	62	62	68	61	51	51	57	56	56	59	....	61.5
Darlington §§	Maximum	79	84	86	....	....	95	90	90	93	93	92	87	83	84	89	91	90	88	91	90	90	93	95	83	80	88	82	80	83	85	....	[b]91.2
	Minimum	67	65	55	59	....	....	61	62	61	62	70	69	55	50	50	60	63	55	59	60	62	62	69	59	49	50	54	53	52	54	....	[b]58.8
Ferguson §§	Maximum	79	75	82	79	81	84	83	87	90	92	93	83	82	80	88	90	89	90	89	90	91	91	92	80	81	80	80	80	82	81	....	84.9
	Minimum	70	67	68	56	58	67	67	68	66	62	70	75	59	57	55	62	65	58	60	59	60	61	66	63	48	54	59	57	55	60	....	61.7
Florence 1	Maximum	96	92	91	93	91	....	91	....	....	95	96	87	86	88	93	93	92	92	91	95	95	96	96	85	82	88	83	83	82	85	....	[c]90.2
	Minimum	65	66	58	60	64	63	....	63	....	....	63	70	58	54	53	68	67	59	60	64	66	64	67	59	52	56	59	55	54	65	....	[c]61.2
Garnett	Maximum	82	80	85	87	89	90	92	91	91	95	98	93	81	86	89	91	92	91	91	92	91	94	96	85	82	88	84	82	84	85	....	88.5
	Minimum	66	70	64	59	58	65	67	64	60	63	68	73	66	63	57	66	68	61	61	63	64	63	68	66	52	55	55	58	55	70	....	63.0
Georgetown	Maximum	82	76	85	86	88	88	88	90	90	92	96	89	82	85	90	93	91	90	89	92	91	91	97	85	88	88	84	83	82	80	....	87.7
	Minimum	72	72	66	62	72	70	72	72	67	67	75	77	61	62	64	71	74	65	67	68	67	66	72	65	64	63	62	61	60	68	....	67.5
Kingstree	Maximum	79	75	83	85	87	90	86	88	88	91	93	85	82	82	87	90	86	87	87	89	90	90	94	81	81	84	80	79	83	78	....	85.3
	Minimum	68	67	59	56	59	63	63	61	61	62	71	74	59	54	55	6	67	58	62	62	62	63	68	61	52	56	59	55	55	69	....	61.6
Oaks	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	89	89	86	85	....	....	....	93	94	82	80	83	85	80	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	56	60	60	....	....	....	....	62	68	....	52	57	58	65	....	....	....	....
Orangeburg	Maximum	78	78	87	85	86	89	89	89	89	93	95	87	82	83	88	92	89	89	89	91	91	93	96	82	80	87	81	78	83	84	....	86.8
	Minimum	65	66	58	58	59	63	64	60	60	60	67	73	58	55	53	62	61	60	63	62	63	64	69	63	51	55	58	56	54	67	....	60.9
Paris Island §§	Maximum	83	78	83	86	86	87	87	87	90	91	93	78	81	86	89	86	81	83	89	90	92	87	84	91	80	84	80	79	80	77	....	84.9
	Minimum	72	71	66	66	68	68	74	71	70	74	76	72	67	68	68	70	68	68	70	71	75	74	70	68	66	65	64	62	59	64	....	68.8
St. George	Maximum	80	76	85	85	87	90	90	89	90	94	95	85	82	85	88	92	91	88	88	91	92	94	96	81	83	86	80	79	81	80	....	86.8
	Minimum	65	61	60	60	62	62	64	64	64	63	73	71	61	60	55	67	63	64	65	65	65	65	65	65	53	58	58	56	56	70	....	62.7
St. Matthews §§	Maximum	79	74	85	87	88	88	90	9	90	92	94	81	80	83	80	85	90	92	91	93	95	91	95	82	82	89	81	77	89	84	....	86.6
	Minimum	66	61	56	56	60	62	67	62	64	61	69	61	63	56	57	71	70	65	62	64	65	62	71	62	52	55	59	57	53	69	....	62.1
Society Hill §§	Maximum	80	73	86	86	83	90	..	91	91	95	95	85	87	83	..	95	89	89	91	...	93	95	99	83	80	87	89	80	83	86	...	[c]87.4
	Minimum	66	65	57	54	59	61	63	....	61	62	62	70	51	51	47	....	56	55	59	60	...	62	70	58	48	50	51	52	51	57	....	[c]57.8
Summerville	Maximum	78	77	81	83	84	86	86	84	86	88	89	82	77	79	82	84	85	83	83	85	85	85	88	77	76	81	78	76	80	76	....	82.1
	Minimum	69	70	62	60	60	67	69	65	64	64	71	71	61	60	61	68	78	64	65	66	66	64	69	63	57	58	60	58	56	69	....	64.4
Walterboro	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Yemassee	Maximum	84	78	85	86	87	89	90	88	89	94	93	88	79	84	87	88	90	86	87	90	90	90	91	82	79	86	82	81	89	80	....	86.4
	Minimum	66	70	64	58	60	64	66	63	62	64	69	79	63	62	60	66	69	61	63	65	64	62	70	64	52	56	58	57	54	69	....	63.0
Western Portion.																																	
Aiken	Maximum	78	80	83	88	86	88	90	89	91	93	92	91	85	85	87	91	91	89	88	90	89	91	92	90	84	86	84	80	79	87	....	87.2
	Minimum	66	67	60	61	63	66	67	66	65	66	70	71	60	62	58	62	65	65	70	66	67	69	70	61	60	60	60	56	54	66	....	64.1
Anderson	Maximum	77	79	81	86	88	85	90	92	93	94	93	85	79	83	85	91	85	90	88	84	85	85	89	83	81	82	77	76	80	85	....	85.2
	Minimum	63	60	63	60	63	63	68	65	66	68	69	65	58	57	57	65	63	64	67	63	67	69	70	58	58	57	62	56	54	60	....	62.7
Batesburg	Maximum	86	80	82	85	83	88	89	89	92	93	95	90	82	84	88	92	90	87	92	87	89	92	93	84	85	85	81	78	89	87	....	86.9
	Minimum	64	64	56	60	62	64	65	64	65	66	75	69	56	53	57	65	65	62	62	64	65	66	70	61	57	59	58	53	49	64	....	61.9
Calhoun Falls §§	Maximum	84	85	86	90	92	93	95	95	97	97	95	89	84	88	91	91	93	92	90	92	90	92	92	83	82	91	84	81	83	89	....	89.5
	Minimum	61	59	57	53	58	59	61	62	60	61	65	66	54	52	51	54	59	61	60	61	65	67	67	57	53	53	53	55	51	51	....	58.3
Camden §§	Maximum	83	85	89	92	93	93	94	96	96	96	87	89	87	89	91	95	94	92	91	93	92	95	94	81	95	91	85	84	88	91	....	90.7
	Minimum	65	66	64	55	[illegible]	66	62	62	63	64	67	66	58	57	55	64	68	60	68	68	69	70	68	63	58	61	59	59	60	66	....	62.7
Clemson College	Maximum	....	88	79	78	77	82	83	85	89	88	..	80	71	....	81	85	83	82	80	80	87	82	82	77	75	79	75	...	80	82	....	[d]81.6
	Minimum	..	72	59	60	59	62	65	63	64	62	...	68	51	...	55	60	62	60	66	68	67	68	69	56	54	53	55	....	49	50	....	[d]60.8
Columbia	Maximum	77	78	83	86	87	87	89	90	91	92	93	84	80	82	86	93	89	87	86	88	88	88	94	81	79	85	79	76	81	85	....	85.4
	Minimum	67	65	58	59	61	65	67	66	66	67	72	63	69	58	58	63	68	64	66	66	69	69	70	62	58	60	61	56	53	67	....	63.7
Greenville	Maximum	77	79	79	84	85	81	86	88	90	90	92	83	75	80	87	88	87	84	82	85	84	84	85	78	79	82	74	75	81	84	....	83.0
	Minimum	62	61	61	61	64	65	66	65	68	65	69	63	58	53	58	61	66	65	68	68	68	68	64	60	57	58	60	56	53	59	....	62.4
Greenwood	Maximum	78	80	81	84	85	85	87	88	89	90	91	81	79	80	85	89	85	86	86	85	88	85	89	79	71	83	79	78	79	84	....	83.6
	Minimum	63	60	58	57	60	61	64	64	64	65	70	68	53	52	55	61	64	61	66	66	68	68	70	55	55	56	59	52	53	53	....	60.8
Heath Spring	Maximum	84	79	84	89	89	88	90	90	93	92	92	90	89	87	86	88	89	86	85	86	88	92	91	88	85	83	82	81	80	82	...	86.9
	Minimum	63	65	56	58	60	61	6	62	66	69	71	69	56	55	54	66	65	60	62	62	63	67	67	56	53	53	54	51	49	50	....	60.1
Kershaw	Maximum	80	80	83	88	88	89	91	92	95	95	93	84	71	82	89	91	88	87	88	90	90	91	93	81	80	87	80	78	82	87	....	86.5
	Minimum	64	65	57	53	59	59	61	62	63	66	71	68	56	52	52	63	66	58	61	62	65	67	69	57	51	53	57	49	51	62	....	60.0
Landrum	Maximum	79	80	83	86	83	86	89	91	95	95	97	85	78	84	89	92	92	84	84	83	83	87	87	85	82	87	83	79	85	88	....	86.0
	Minimum	60	57	56	67	56	69	58	58	78	63	68	70	50	63	51	58	57	75	76	75	65	66	65	56	47	60	56	62	45	51	...	61.3
Laurens §§	Maximum	78	80	80	83	84	85	87	88	89	91	92	83	78	81	85	90	85	86	86	85	87	88	89	78	78	83	77	76	78	84	....	83.8
	Minimum	63	59	62	54	62	59	61	61	62	61	65	68	55	49	51	58	60	58	58	69	64	67	68	57	48	49	50	53	48	60	....	58.6
Liberty	Maximum	81	82	84	85	86	88	90	91	93	94	95	85	84	84	88	91	90	87	85	85	84	87	89	84	82	84	70	77	83	87	....	85.7
	Minimum	61	62	59	57	57	62	64	62	67	65	70	68	59	54	58	66	61	64	68	70	69	59	70	53	54	51	53	57	53	50	....	60.8
Little Mountain	Maximum	79	79	82	88	86	84	85	96	92	92	92	83	87	82	82	92	88	86	86	88	88	88	92	83	78	87	78	86	78	85	....	85.3
	Minimum	68	63	58	60	63	64	67	67	67	69	70	69	61	58	59	67	67	64	66	67	68	68	70	61	58	67	59	53	50	61	....	63.7
Meriwether	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Monetta	Maximum	79	82	84	87	88	91	92	92	94	94	93	87	82	83	89	93	91	89	89	91	91	91	93	85	82	86	79	78	79	87	....	87.4
	Minimum	66	66	59	54	61	64	64	64	64	64	70	70	58	55	56	58	62	61	64	64	67	66	69	63	55	58	59	54	52	64	....	61.9
Newberry	Maximum	80	83	86	89	88	89	90	92	93	95	94	84	81	83	89	94	92	89	89	92	91	93	94	83	82	85	80	80	80	88	...	87.6
	Minimum	61	63	57	56	60	61	64	64	63	65	72	69	51	52	53	59	64	60	63	64	67	69	70	60	52	55	58	52	50	62	....	60.7
Saluda	Maximum	80	84	86	85	90	88	90	92	94	95	90	87	91	85	90	93	91	88	90	90	91	91	92	94	87	81	82	81	82	89	....	88.3
	Minimum	64	63	55	55	53	59	60	60	59	60	70	68	52	48	48	56	59	58	61	62	62	64	65	61	50	54	47	53	56	61	....	58.1
Santuck	Maximum	80	84	90	92	90	94	97	97	99	96	95	86	85	89	94	94	92	89	88	97	91	95	94	84	86	87	82	80	80	87	....	89.6
	Minimum	63	60	57	55	59	60	60	63	62	64	69	67	59	52	52	59	63	59	62	63	65	67	70	56	51	52	59	50	48	57	....	59.4
Spartanburg	Maximum	80	82	84	87	90	90	92	94	96	95	98	87	74	85	91	93	79	90	88	88	87	89	71	79	82	86	78	80	82	87	....	86.2
	Minimum	60	58	58	56	60	61	63	63	65	66	70	68	54	52	54	60	62	60	65	65	66	68	68	54	52	53	57	52	50	56	....	59.8
Trenton	Maximum	82	80	88	87	88	89	90	91	93	94	91	86	79	84	90	91	91	90	91	91	89	93	92	80	83	89	86	86	86	87	....	87.7
	Minimum	64	63	58	60	62	64	93	61	61	66	69	58	57	56	64	64	64	64	64	69	68	68	67	62	58	68	67	59	56	60	....	62.8
Walhalla	Maximum	81	82	85	88	89	88	92	93	94	95	95	90	80	86	91	93	93	89	86	83	82	87	90	81	82	86	81	79	86	89	...	87.2
	Minimum	67	59	58	57	58	58	63	60	63	63	67	63	52	51	53	59	60	59	63	63	66	66	64	50	53	55	65	....	46	49	...	[a]59.3
Winnsboro	Maximum	81	81	85	89	90	91	93	93	95	95	94	84	81	84	90	93	91	89	90	91	90	94	83	....	....	....	....	....	....	77	....	[f]88.5
	Minimum	67	64	58	56	58	63	65	64	64	65	71	69	55	52	55	58	65	61	62	63	67	68	69	58	55	55	....	51	50	62	....	[a]61.1
Winthrop College	Maximum	80	81	83	86	85	83	96	95	95	91	95	90	85	84	88	90	92	93	86	89	89	92	92	81	81	85	78	78	79	85	...	87.1
	Minimum	62	61	69	55	60	60	55	65	66	69	71	70	60	52	55	61	62	60	62	64	65	68	70	55	54	54	57	50	49	51	....	60.5

Reference letters ([a], [b], [c]), appearing in the table indicate number of days missing: For example, [b] represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 1 inch.
1 to 2 inches.
2 to 4 inches.
4 to 6 inches.
Over 6 inches.
Based on 850 records.
W. T.

UNIVERSITY OF ILLINOIS
URBANA

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

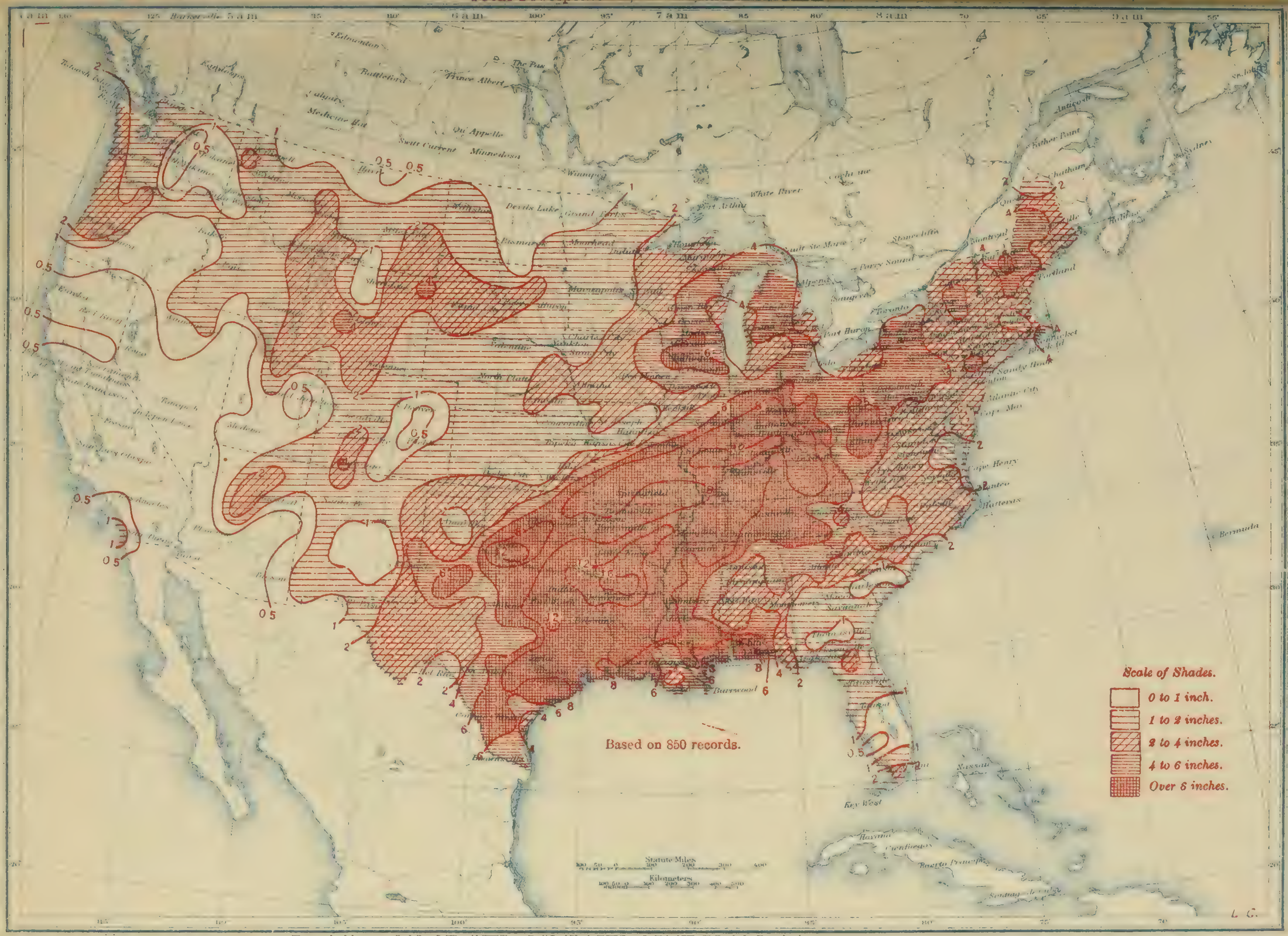
CLIMATOLOGICAL DATA

SOUTH CAROLINA SECTION

OCTOBER, 1919

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
November 24, 1919


Based on 850 records.
Scale of Shades.
0 to 1 inch.
1 to 2 inches.
2 to 4 inches.
4 to 6 inches.
Over 6 inches.
Statute Miles
Kilometers
L. C.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN, Meteorologist.

VOL. XXII. COLUMBIA, S. C., OCTOBER, 1919 No. 10.

GENERAL SUMMARY.

The month was by far the hottest October of record, all previous mean temperatures of the Section and the surrounding region being broken, practically all absolute maximum temperature readings being overtopped, and the persistent heat being of such length as never before known. The average precipitation was somewhat below normal.

General deterioratien in all late crops marked the persistent heat and drought, and the rainfall of the latter half of the month came too late for practical increase in fruitage. These conditions, in conjunction with the prolonged September drought, caused much premature opening in cotton and destroyed the top crop, except where plantings were very late; however, the weather was favorable for picking, and this work proceeded with much greater dispatch than usual. Corn gathering and the sweet potato and peanut harvests made good progress, with fair to good results generally; the peanut harvest was finished during the closing week. Late truck, late gardens, and white potatoes were in very unsatisfactory condition during the month, and good vegetables were scarce. Sorghum molasses was being marketed about the middle of the month, and cane molasses making began during the closing week. An unusually large quantity of good hay was secured during the season. Many rice patches were ready for harvest during the opening week. But little preparation for winter grain planting was done during the month on account of hard soil.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 30.12 inches. The highest pressure in the region covered by reports was 30.43 inches at Charlotte, N. C., on the 30th, and in the Section proper, 30.41 inches at Greenville on the same date; the lowest pressure was 29.83 inches at Savannah, Ga., on the 1st, and in the Section proper, 29.90 inches at Columbia on the 17th.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 43 stations, was 73.7°, or 10.1° above the established normal, and 6.1° above the previous highest October average (1900). With the exception of but 5 days, the means averaged 5 to 17 degrees per day above the normal, and the heat wave was especially enervating between the 21st and November 1. Fragmentary records for Charleston, dating back to 1738, show that the previous highest October mean of 74.2° (1830) was overtopped at that point by 2.6°. In another fragmentary record for Camden, dating back to 1791, the highest October mean of 69.6° (1911) was exceeded by 5.7°. The highest temperature for the month was 101° at Society Hill, Darlington County, on the 5th, breaking the absolute maximum temperature record (100° at Santuck, Union County, October 2, 1910), for October by 1°. In fact, the absolute maximum temperatures for practically all stations were broken by 1° to 10°. The lowest temperature was 44° at Walhalla, Oconee County, on the 14th. The cool periods were on the 13th and 14th and from the 18th to the 20th.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 90%; 8 p. m., 80%. The highest percentages occurred over the extreme southern and extreme eastern coast districts, and the lowest, over the north-central counties.

PRECIPITATION.

The average for the Section, 56 stations reporting, was 2.53 inches, or 0.59 inch below the established normal. Precipitation was badly distributed as to the amount and area and was confined principally to the western portion, where copious to heavy rains fell between the 16th and 19th and from the 21st to the 24th. The rainfall was above normal in the northern and western edges of the State and ranged from 4 to over 8 inches; elsewhere the amounts ranged from 3 inches downward to less than 1 inch in sections of Hampton, Barnwell, Orangeburg, Dorchester, Charleston, Berkeley, and Georgetown Counties. The greatest local monthly amount was 8.43 inches at Monetta, Saluda County, and the least local monthly amount was 0.18 inch at Pinopolis, Berkeley County. The greatest 24-hour rainfall at any station was 4.00 inches at Monetta, Saluda County, on the 24th. The number of rainy days was 17% below normal.

WIND.

The prevailing wind was from the southwest. The average hourly velocity, determined from 8 anemometer records, was 6.6 miles. The highest average velocity in the region covered by reports was 9.5 miles per hour at Savannah, Ga., and in the Section proper, 8.9 miles per hour at Charleston; the lowest average velocity was 4.1 miles per hour at Augusta, Ga., and in the Section proper, 5.8 miles per hour at Columbia. The highest velocity for any 5-minute period was 42 miles per hour from the southeast at Savannah, Ga., on the 1st, and in the Section proper, 27 miles per hour from the east at Charleston on the 8th and from the northeast at Greenville on the 13th.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 193.3 hours, or 55% of the possible amount. The average number of clear days was 13; partly cloudy, 10, and cloudy, 8, as against normals of 17, 7, and 7 days, respectively.

RIVER CONDITIONS.

The rivers of the Section continued uniformly low, except high water in the upper Santee River between the 25th and 28th incident to moderately heavy up-State rains on the 23d and 24th.

ERRATA.

SEPTEMBER, 1919.—Charleston, prevailing wind direction, in table, page 67, should be east.

MISCELLANEOUS DATA FOR OCTOBER, 1919.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C....	30.14	65.1	84	46	1.93	1.03	6.0	s.	92	82	44
Augusta, Ga.......	30.10	74.9	94	55	2.97	1.41	4.1	s.	92	81	53
Charleston, S. C...	30.12	76.8	95	59	0.28	0.20	8.9	s.	85	84	76
Charlotte, N. C ...	30.13	69.9	93	48	4.46	2.10	4.3	ne.	90	75	45
Columbia, S. C....	30.13	73.9	91	53	3.27	1.97	5.8	s.	89	71	42
Greenville, S. C...	30.12	69.2	90	48	5.50	3.70	7.5	ne.	90	78	48
Savannah, Ga.....	30.11	77.2	94	58	1.51	0.51	9.5	se.	91	87	64
Wilmington, N. C	30.13	73.8	93	53	1.03	0.37	6.3	sw.	90	85	68
Means and extremes	30.12	72.6	95	46	2.62	3.70	6.6	s.	90	80	55

Climatological Data for October, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precipit on (0.01 in. or more).	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Allendale	186	30	75.2	+10.4	93	7	56	19	29	1.33	−1.45	0.66	0	5	20	10	1	w.	R. B. Vance.
Blackville	Barnwell	296	30	[f]76.4	+12.0	[f]99	† 4	55	†14	[f]35	0.50	−2.48	0.20	0	3	19	11	1	......	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	18	73.4	+9.2	95	† 4	51	20	37	0.36	−2.39	0.20	0	4	19	10	2	......	B. O. Evans.
Charleston	Charleston	48	48	76.8	+9.7	95	6	59	19	20	0.28	−3.65	0.20	0	2	15	12	4	s.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	29	[b]72.5	+10.9	[b]92	† 4	52	20	[b]28	2.64	−0.21	0.86	0	5	....	....	....	......	Roland D. Powe.
Conway	Horry	25	33	74.8	+10.6	96	† 5	52	20	30	1.10	−2.40	0.50	0	5	11	2	18	s.	Paul Quattlebaum.
Darlington	Darlington	175	24	......	......	......	......	......	......	......	......	......	......	......	......	....	....	....	......	D. C. McCall.
Edisto ‡‡	Bamberg	143	31	......	......	......	......	......	......	......	2.67	+0.30	1.24	0	3	....	....	....	......	Nathan Jenkins.
Effingham	Florence	106	26	......	......	......	......	......	......	......	3.68	+0.63	2.37	0	4	....	....	....	......	Wm. B. Gillespie.
Ferguson	Orangeburg	63	33	74.6	+11.3	96	† 5	50	20	32	0.20	−2.79	0.08	0	4	....	....	....	ne.	Henry C. Savage.
Florence 1	Florence	136	30	[a]74.8	+11.2	[a]100	5	[a]54	†20	[a]34	3.54	+0.42	2.31	0	6	13	7	11	sw.	H. K. Gilbert.
Florence 2	....do	136	4	......	......	......	......	......	......	......	3.48	+0.36	2.05	0	4	15	14	2	sw.	Pee Dee Experiment Sta.
Garnett	Hampton	82	1	[b]76.4	......	[b]98	† 4	[b]53	20	[b]34	0.31	....	0.20	0	3	5	19	6	sw.	Maner B. Robert.
Georgetown	Georgetown	12	24	77.8	+12.4	100	† 5	54	†20	39	0.75	−2.93	0.50	0	2	19	9	3	n.	A. P. Hazard.
Kingstree	Williamsburg	54	30	75.0	+10.9	95	6	53	20	29	2.10	−0.74	1.40	0	3	17	5	9	sw.	W. H. Matthews.
Oaks	Georgetown	.....	4	[e]75.0	......	[e]97	6	[e]52	19	[e]35	2.33	....	1.13	0	5	14	10	7	s.	O. M. Mitchell.
Orangeburg 1	Orangeburg	264	3	75.2	......	98	5	55	†19	33	1.88	....	1.31	0	3	16	5	10	......	U. S. Fisheries Station.
Orangeburg 2	....do	264	....	......	......	......	......	......	......	......	1.79	....	1.25	0	4	....	....	....	......	State A. and M. College.
Paris Island	Beaufort	13	1	77.2	+9.8	94	6	56	19	29	2.45	−0.87	0.86	0	9	16	8	7	e.	U. S. Marine Corps.
Pinopolis **	Berkeley	54	69	74.2	+10.0	92	† 5	58	†19	.....	0.18	−2.95	0.15	0	2	11	14	6	nw	Miss E. P. Ravenel.
Rimini	Clarendon	97	5	......	......	......	......	......	......	......	0.86	....	0.29	0	4	....	....	....	......	William B. Wolfe.
St. George	Dorchester	109	30	76.2	+11.6	98	5	56	†19	37	0.55	−1.81	0.20	0	4	27	0	4	ne.	Miss Alma T. Whiteside.
St. Matthews	Calhoun	62	23	76.2	+12.3	98	5	53	20	32	1.81	−0.88	0.80	0	5	....	....	....	...	Miss Frances M. Antley.
Society Hill	Darlington	192	27	[c]75.0	+13.2	[c]101	5	[c]52	19	[c]38	3.31	+0.18	1.26	0	7	10	13	8	s.	A. H. Rogers.
Summerville	Dorchester	75	21	74.3	+9.4	90	† 5	55	20	29	0.33	−3.61	0.12	0	4	3	28	0	sw.	Miss E. H. Gadsden.
Walterboro	Colleton	69	16	......	......	98	6	......	......	......	......	......	......	......	......	....	....	....	......	J. N. Frank.
Yemassee	Hampton	24	23	75.6	+10.5	94	† 4	55	20	39	2.41	−0.52	1.52	0	3	22	2	7	sw.	W. C. Hutson.
Division means and	extremes	......	....	75.3	+11.1	101	5	50	20	39	1.63	−1.71	2.37	0	4	15	10	5	sw.	
Western Portion.																				
Aiken	Aiken	527	58	75.0	+11.7	94	† 4	53	19	34	1.27	−1.39	0.42	0	5	20	0	11	w.	Frank B. McCoy.
Anderson	Anderson	764	23	[c]71.8	+9.0	95	4	[c]51	18	[c]33	3.32	+0.46	1.21	0	6	12	0	19	w.	H. H. Russell.
Batesburg	Lexington	656	30	74.3	−11.2	95	5	51	14	36	3.52	+0.52	3.00	0	5	14	15	2	s.	E. J. Hite.
Blairs	Fairfield	293	16	......	......	......	......	......	......	......	1.81	−0.87	1.10	0	6	....	....	....	......	J. N. Owens.
Calhoun Falls	Abbeville	508	26	72.6	......	97	5	49	14	39	3.35	−0.50	1.30	0	6	7	13	11	e.	L. M. Parker.
Camden	Kershaw	222	59	75.3	+13.2	98	† 4	55	†18	38	2.11	−0.57	0.78	0	4	10	14	7	ne.	W. C. Brown.
Catawba	York	562	15	......	......	......	......	......	......	......	4.04	+0.41	2.40	0	6	....	....	....	......	James C. Faris.
Chappells	Newberry	402	15	......	......	......	......	......	......	......	1.79	−1.02	1.00	0	4	....	....	....	......	J. J. Murran.
Clemson College	Oconee	850	27	[i]68.6	+7.3	[i]86	2	52	14	[i]26	5.02	+1.68	1.60	0	8	26	0	5	e.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	32	73.9	+9.9	94	5	53	20	26	3.27	+0.42	1.96	0	5	5	15	11	s.	U. S. Weather Bureau.
Edgefield	Edgefield	.....	5	......	......	......	......	......	......	......	3.38	....	2.35	0	6	....	....	....	......	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	6	......	......	......	......	......	......	......	3.86	+1.07	2.10	0	9	....	....	....	......	S. C. Lt., Power & Ry. Co.
Greenville	Greenville	1039	26	69.2	+9.3	90	4	48	13	24	5.50	+2.54	3.70	0	10	6	11	14	ne.	U. S. Weather Bureau.
Greenwood	Greenwood	671	30	71.6	+9.6	92	5	48	14	36	2.61	−0.21	1.21	0	4	16	0	15	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	18	72.6	+11.1	95	5	50	14	36	2.21	−0.42	1.08	0	3	9	7	15	w.	J. Marvin Bowers.
Kershaw	Kershaw	500	3	73.6	......	96	5	51	†13	31	4.38	....	3.05	0	6	18	1	12	e.	John W. Hamel.
Landrum	Spartanburg	1063	4	69.6	......	92	4	48	†18	37	3.19	....	0.95	0	7	10	11	10	......	R. Hartwell Wilds, D.D.S.
Laurens	Laurens	589	1	[b]70.3	......	[b]92	5	[b]51	†15	[a]34	3.36	....	1.15	0	6	17	3	11	......	Perry A. Simpson.
Liberty	Pickens	900	20	71.2	+9.8	91	† 4	52	18	31	3.19	−0.57	1.40	0	10	10	11	10	sw.	John T. Boggs.
Little Mountain	Newberry	711	26	72.8	+8.7	96	5	50	14	36	3.06	+0.05	1.80	0	4	16	5	10	s.	J. M. Sease, M. D.
Meriwether	McCormick	450	16	......	......	[i]96	5	[g]53	20	[i]30	2.54	+0.19	1.10	0	4	....	....	....	......	Mrs. Marie R. Middleton.
Monetta	Saluda	400	12	74.0	+9.9	95	5	52	14	36	8.43	+5.09	4.00	0	6	3	23	5	sw.	Joseph M. Johnson.
Newberry	Newberry	502	16	74.4	+11.9	97	5	51	20	39	1.16	−1.59	0.50	0	6	5	20	6	sw.	Warren G. Peterson.
Pelzer	Anderson	850	15	......	......	......	......	......	......	......	2.70	−0.61	0.92	0	9	....	....	....	......	Joshua Y. Jones.
Saluda	Saluda	536	18	73.3	+10.4	95	† 4	50	20	36	3.52	+0.48	2.00	0	5	17	12	2	s.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	26	72.6	+11.1	98	5	49	†13	35	3.16	−0.09	2.10	0	8	8	12	11	sw.	E. W. Jeter.
Spartanburg	Spartanburg	875	36	71.2	+10.4	93	† 4	48	14	39	2.51	−0.16	0.83	0	9	....	....	....	......	F. P. Robinson.
Trenton	Edgefield	620	30	73.3	+9.0	94	5	52	†14	37	2.31	−0.99	1.23	0	3	17	11	3	sw.	Mrs. S. E. Long.
Walhalla	Oconee	1061	16	[b]68.2	+7.3	92	4	[b]44	14	[b]35	3.43	+0.47	1.02	0	15	8	10	13	sw.	H. W. Brandt.
Winnsboro	Fairfield	545	28	......	......	......	......	[e]51	19	.....	2.43	+0.19	0.82	0	5	11	16	4	sw.	Rev. Oliver Johnson.
Winthrop College ‡‡	York	690	19	72.3	+10.4	95	5	48	14	39	4.36	−0.23	1.80	0	6	7	21	3	s.	W. P. Goodman.
Division means and	extremes	......	....	72.2	+9.9	98	† 4	44	14	39	3.25	+0.27	4.00	0	6	12	10	9	sw.	
Section means and	extremes	......	....	73.7	+10.1	101	5	44	14	39	2.53	−0.59	4.00	0	5	13	10	8	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (a, b, c), appearing in the table indicate number of days missing; for example, b represents two days missing, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Blacksburg; of Winthrop College, Rock Hill.
T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for October, 1919.

Stations.	Watersheds.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Eastern Portion.																																	
Allendale ‖‖	Savannah	.05	.10	.22													.66		.30														1.33
Blackville ‖‖	Edisto	T.		.15											T				.15					.20									0.50
Bowman	....do	T.	.06							T.					.08	.02			.20					T.	T.							T	0.36
Charleston ***	Coast													T.				T.	T.				.20	T.	.08								0.28
Cheraw ‖‖	Pee Dee													.41				.21	.38					.78	.86								2.64
Conway ‖‖	Waccamaw	.20	.34	T.						T.	.06	T.							.44	.06			T.										1.10
Darlington ‖‖	Pee Dee																																....
Edisto ‖‖	Edisto																1.24		1.24					.19									2.67
Effingham ‖‖	Lynches																.67		2.37					.07	.57								3.68
Ferguson ‖‖	Santee	.02									T.						.04		.06					.08		T.							0.20
Florence 1 ‖‖	Pee Dee		T.														.04		2.31	.23				.13	.78							.05	3.54
Florence 2 ‖‖	....do																T.		1.60	.45				.73	.70								3.48
Garnett	Savannah	.05														.20			T.				T.	.06						T.	T.		0.31
Georgetown	Coast									T.	.25												T.			.50						T.	0.75
Kingstree ‖‖	Black										.30						.40		1.40														2.10
Oaks	....do	.81								.05	.01					T.	T.		1.13					.33		T.							2.33
Orangeburg 1	Edisto	T.	.11							T.				T.			.46		1.31		T.					T.							1.88
Orangeburg 2	....do	T.	.11													.41			1.25						.02								1.79
Paris Island	Coast	.60	.20	.20		.20										.14							.04	.21	.86								2.45
Pinopolis	Cooper									.03						.15																	0.18
Rimini ‖‖	Santee		.29														.16		.23														0.86
St. George ‖‖	Edisto	.16	.20														.10		.18					.09									0.55
St. Matthews ‖‖	Santee	.16															.80		.10	.30					.45								1.81
Society Hill ‖‖	....do	.08									.10						.21		.73	.46				1.26	.47								3.31
Summerville	Ashley	.01	.12								T.			T.		.12			T.						.08								0.33
Walterboro	Ashepoo																																....
Yemassee ‖‖	....do	T.	1.52													T.	.85							T.	T.							.04	2.41
Western Portion.																																	
Aiken	Edisto	.07	.08																.42					.27	.43								1.27
Anderson	Savannah									.10								.75	.65					1.21	.36					.25			3.32
Batesburg ‖‖	Edisto	T.	.02	T.															.36	.14				.49	2.51								3.52
Blairs ‖‖	Broad																	.22		.08		.02	.02	1.10	.37								1.81
Calhoun Falls ‖‖	Savannah									.32								.34	.47	.16			T.	.76	1.30								3.35
Camden ‖‖	Wateree																		.65	.12				.56	.78								2.11
Catawba ‖‖	Catawba									.22				.25						.82			.35	1.75	.65								4.04
Chappells ‖‖	Saluda		.19																	.20				.40	1.00								1.79
Clemson College	Savannah			1.33						.30				.80	.13		.32		.54					1.60									5.02
Columbia ***	Congaree	.15							T.					T.	T			.93	.22			T.	T.	1.96	.01								3.27
Edgefield ‖‖	Savannah			.10															.10	.10			.03	.70	2.35								3.38
Gaston Shoals ‖‖	Broad									.06				.12	.25			.07	.44	.58				2.10	.16						.08		3.86
Greenville ***	Saluda	T.	T.	T.			T.		.09	.02			.04	.23	.01		.30	T	.69			T.	3.05	1.06	.01					T.		T.	5.50
Greenwood ‖‖	....do																		.32	.16			.18	1.21	.74								2.61
Heath Spring	Wateree																	.81	.32					1.08									2.21
Kershaw ‖‖	Lynches	.15																	.81	.31			.06	2.25	.80								4.38
Landrum	Broad									T.			.16	.51	.18			T.	.47				.73	.95	.19								3.19
Laurens ‖‖	Saluda																	.75	.50		1.15			.70	.25				.01				3.36
Liberty	Savannah	.01	T.	.30			T.		.04	.02				.75					.40		T.	T.	.05	.20	1.40	T.				T.		.02	3.19
Little Mountain	Saluda	T.																	.46				.15	1.80	.65								3.06
Meriwether	Savannah																.92	.02						1.10	.50								2.54
Monetta	Edisto	.25																	2.70			.03	.02	1.43	4.00								8.43
Newberry	Saluda	.03																.21	.11				.07	.50	.24	T.							1.16
Pelzer ‖‖	....do			T.	.02					.18					.08			.24	.08	.62				.92	.44						.12		2.70
Saluda	....do	.36	.16																.10					2.00	.90								3.52
Santuck	Broad									T.				.04				.17	.32				.06	2.10	.35	.03						.09	3.16
Spartanburg ‖‖	....do	.02			.03		T.			.02				.17	.23			.18	.11	.60				.83	.30						.02		2.51
Trenton	Edisto	T.	.08																				T.	1.00	1.23								2.31
Walhalla	Savannah		.01	.39					.05	.21			.10	.29	.08			.08	.39				.28	1.02	.43	.02					.04	.04	3.43
Winnsboro	Broad																			.70				.82	.75	.01					.15		2.43
Winthrop College	Catawba			.71										.45					.55				.45	1.80	.40								4.36

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	61.4	91	30	5.96	8				n.
1888	59.3	88	31	4.18	7				sw.
1889	60.8	88	27	1.65	3				n.
1890	63.0	90	22	4.06					
1891	60.2	92	28	1.63					nw.
1892	63.8	89	27	0.60					ne.
1893	64.4	90	25	4.92	5	18	7	6	ne.
1894	64.2	98	33	4.95	5	20	6	5	ne.
1895	61.3	95	28	1.15	3	20	7	4	ne.
1896	61.3	91	28	1.41	4	15	8	8	ne.
1897	65.8	96	35	3.23	5	14	8	9	ne.
1898	62.9	90	28	2.82	9	14	8	9	ne.
1899	64.2	91	34	5.00	6	14	7	10	ne.
1900	67.6	95	33	3.65	9	13	7	11	ne.
1901	62.4	92	29	0.89	3	22	6	3	ne.
1902	63.2	95	30	4.40	7	19	5	7	ne.
1903	62.0	93	25	2.63	5	18	6	7	n.
1904	62.4	98	26	1.10	3	23	5	3	ne.
1905	64.2	93	29	1.97	6	15	6	10	ne.
1906	61.9	90	24	3.69	7	14	6	11	ne.
1907	61.2	91	28	0.73	3	19	7	5	ne.
1908	62.0	89	35	4.22	6	19	6	6	ne.
1909	61.2	96	27	2.43	5	23	5	3	ne.
1910	66.5	100	22	4.39	6	20	7	4	ne.
1911	67.5	99	37	5.89	8	12	9	10	ne.
1912	65.0	94	32	2.21	5	18	4	9	ne.
1913	62.5	95	28	3.56	6	19	6	6	ne.
1914	64.7	92	26	3.44	8	13	7	11	ne.
1915	67.0	93	27	4.95	8	18	7	6	ne.
1916	64.0	92	31	2.54	5	16	7	8	ne.
1917	59.3	90	22	1.50	4	23	5	3	sw.
1918	67.3	93	33	3.75	5	15	8	8	ne.
1919	73.7	101	44	2.53	5	13	10	8	sw.
Period	63.6	101	22	3.12	6	17	7	7	ne.

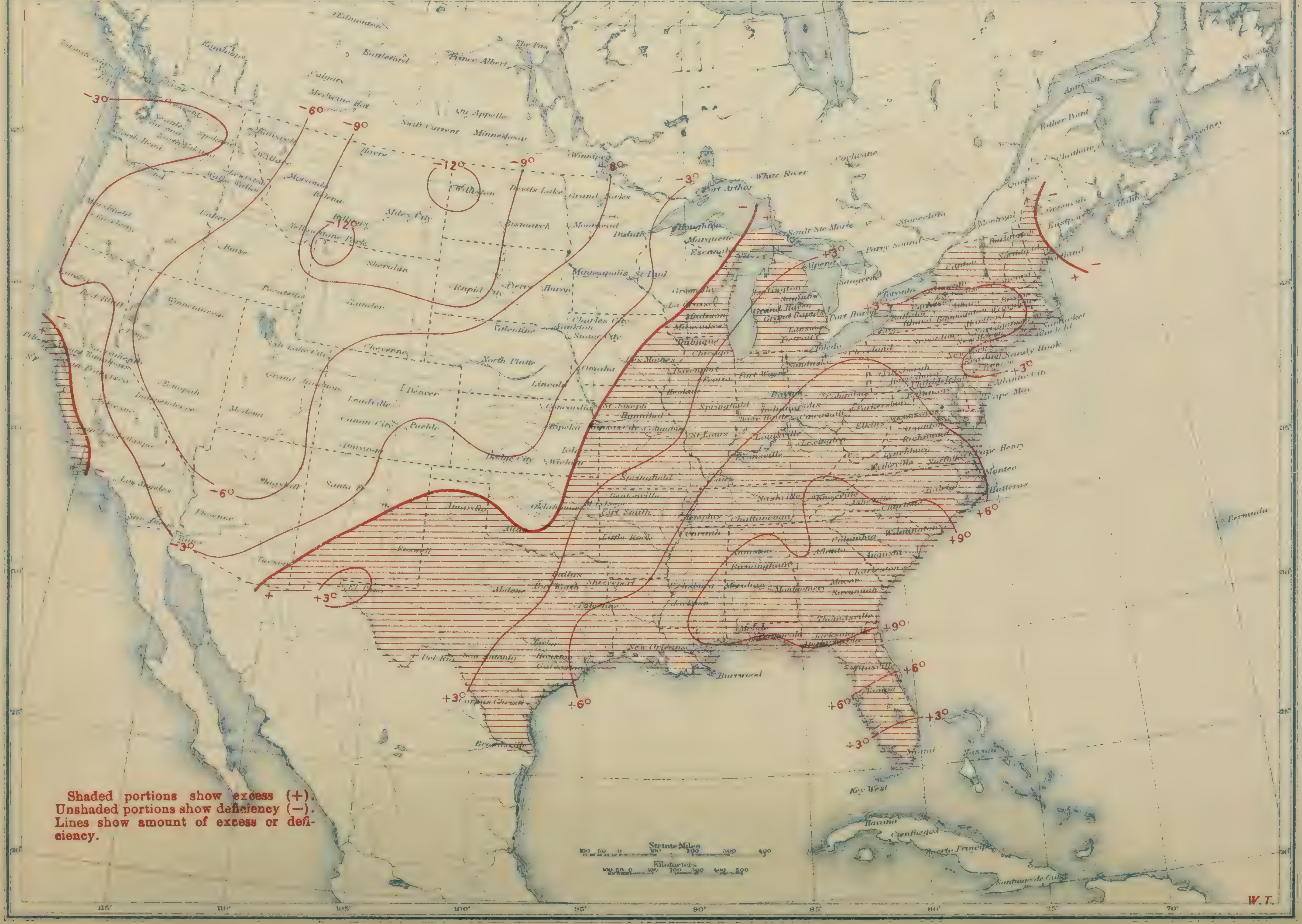
Daily Temperatures for October, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale	Maximum	81	83	82	88	90	89	93	89	85	87	87	87	88	81	79	83	84	70	79	70	79	84	86	87	82	83	89	90	89	89	75	84.1
	Minimum	70	70	71	69	70	68	72	79	70	68	70	67	68	57	66	72	69	63	56	57	58	58	58	66	61	64	65	70	64	72	65	66.2
Blackville	Maximum	81	88	90	99	99	96	90	85	89	93	92	93	....	86	86	....	92	74	68	80	....	87	88	84	....	....	93	92	90	91	....	^{f}88.3
	Minimum	71	70	70	67	64	68	68	64	65	62	66	66	58	55	61	70	65	61	55	56	57	67	77	65	62	62	66	69	65	65	65	64.6
Bowman	Maximum	85	87	91	95	95	85	90	86	88	90	90	88	76	83	84	87	92	75	68	80	82	85	88	80	78	86	91	90	80	78	85	85.1
	Minimum	65	66	67	68	70	66	65	61	62	62	60	64	65	53	60	62	63	55	52	51	58	62	65	64	58	60	62	65	60	65	64	61.9
Charleston	Maximum	82	86	91	93	93	95	88	80	83	83	82	84	82	79	83	84	88	76	70	79	79	87	88	85	75	76	85	86	81	78	82	83.3
	Minimum	74	74	76	74	73	75	76	71	76	74	73	74	67	63	74	73	71	59	59	60	67	76	74	71	65	63	69	71	70	70	69	70.4
Cheraw	Maximum	85	88	90	92	92	83	80	81	84	85	84	....	73	81	83	86	64	69	73	77	82	81	77	67	78	86	88	75	74	79	....	^{b}80.4
	Minimum	72	70	71	70	68	70	67	59	65	65	68	69	59	53	59	71	68	57	55	52	59	68	68	69	62	63	64	67	66	64	65	64.6
Conway	Maximum	87	88	91	93	96	96	87	81	83	84	89	90	79	83	87	87	92	82	75	77	81	90	90	86	75	80	89	88	86	79	87	85.7
	Minimum	69	67	72	70	68	70	70	61	63	66	62	64	64	59	63	68	68	61	56	52	53	65	72	66	62	62	62	63	56	64	64	63.9
Darlington §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ferguson §§	Maximum	88	90	91	94	96	91	88	85	88	89	91	89	72	83	87	90	90	84	70	78	86	89	89	83	81	86	90	90	89	76	88	86.5
	Minimum	70	67	70	65	65	64	68	60	66	63	63	63	61	57	59	65	65	59	52	50	56	62	70	67	61	61	63	68	61	65	61	62.8
Florence 1	Maximum	93	93	94	98	100	98	89	88	85	92	93	91	66	85	88	91	93	67	76	79	....	88	86	77	68	82	90	92	87	75	67	^{a}85.7
	Minimum	69	70	70	69	66	70	70	61	62	64	64	66	58	55	61	66	67	57	55	54	54	....	71	67	60	60	67	68	68	63	65	^{a}63.9
Garnett	Maximum	88	92	94	93	98	97	95	88	91	92	93	92	92	83	86	92	92	78	70	83	86	88	91	84	84	89	94	91	....	....	90	^{b}89.3
	Minimum	70	66	69	64	65	68	68	64	64	65	63	60	65	60	65	66	65	59	59	53	55	66	69	66	59	61	62	64	....	....	65	^{b}63.6
Georgetown	Maximum	89	92	94	97	100	100	100	88	84	88	90	92	84	86	92	92	95	79	74	83	85	93	94	92	78	80	92	91	90	78	88	89.0
	Minimum	74	71	75	71	72	72	72	66	74	66	64	65	67	61	66	68	70	62	58	54	54	67	74	69	65	62	65	66	63	66	67	66.6
Kingstree	Maximum	89	88	92	92	94	95	87	83	81	88	90	90	82	80	89	89	91	82	70	77	83	87	90	83	75	82	90	89	89	78	86	85.8
	Minimum	70	67	70	68	67	70	68	64	66	65	63	63	61	57	63	67	68	56	55	53	54	67	72	66	62	62	65	67	63	64	64	64.1
Oaks	Maximum	90	92	93	....	....	97	90	85	83	85	91	93	73	85	90	93	93	75	73	78	83	90	90	87	73	83	92	91	89	....	90	^{c}86.7
	Minimum	68	68	68	....	....	....	68	62	62	63	62	62	68	59	68	62	68	58	52	53	54	58	70	68	63	63	68	68	63	....	....	^{e}63.3
Orangeburg 1	Maximum	86	90	92	93	98	96	89	86	90	92	92	93	82	84	79	89	93	77	68	78	85	88	90	81	78	86	91	90	90	79	81	86.6
	Minimum	71	70	70	66	65	70	65	63	65	64	65	66	62	55	60	65	66	57	55	55	56	68	70	65	61	61	65	66	63	65	64	63.8
Paris Island §§	Maximum	84	85	84	92	92	94	90	82	86	83	86	88	90	87	87	87	85	73	75	80	84	85	87	89	78	83	86	85	88	80	82	84.9
	Minimum	72	72	74	69	73	74	74	74	75	72	72	72	72	63	65	67	71	71	56	59	62	73	70	68	66	66	69	69	70	72	69	69.4
St. George	Maximum	83	90	93	96	98	95	91	85	89	90	92	92	80	85	80	90	92	78	70	80	88	89	90	80	78	88	95	92	90	80	89	87.4
	Minimum	70	70	70	69	68	69	66	67	67	65	65	65	60	60	67	68	65	58	56	56	56	70	65	65	65	64	66	64	64	65	66	64.9
St. Matthews §§	Maximum	84	88	91	95	98	96	91	85	90	92	90	91	81	82	83	84	90	87	78	79	85	88	88	85	76	88	91	90	90	78	86	87.1
	Minimum	70	70	72	67	66	70	66	62	65	65	65	66	69	64	60	68	65	66	54	53	56	68	70	64	69	62	65	70	68	64	65	65.3
Society Hill §§	Maximum	92	91	94	95	101	97	87	85	84	92	92	93	69	84	87	92	93	....	74	....	82	89	86	79	66	91	90	90	....	83	89	^{c}87.4
	Minimum	70	62	71	61	64	70	67	57	61	62	64	60	56	63	56	70	65	55	....	52	....	56	68	66	60	61	63	66	64	....	62	^{c}62.6
Summerville	Maximum	82	85	87	88	90	90	86	81	83	84	85	85	78	80	85	84	85	77	69	77	80	85	86	80	72	81	85	84	86	79	83	82.6
	Minimum	71	68	72	71	69	71	71	67	68	69	65	64	68	60	68	67	68	59	58	55	56	68	71	67	65	61	65	66	63	68	66	66.0
Walterboro	Maximum	89	83	79	88	94	98	96	94	95	96	93	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	61	61	58	60	64	55	68	60	65	65	71	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Yemassee	Maximum	84	88	90	94	94	94	94	84	87	90	89	90	88	83	85	85	89	70	70	81	84	86	89	80	83	86	90	89	90	78	87	86.2
	Minimum	72	68	69	69	66	69	69	66	64	66	64	62	69	59	70	67	66	67	56	55	56	67	67	68	60	61	62	63	60	70	64	64.9
Western Portion.																																	
Aiken	Maximum	86	85	88	94	94	93	91	87	88	89	87	85	81	79	85	89	90	86	68	74	83	82	85	79	80	85	87	87	86	82	80	85.0
	Minimum	71	69	69	67	69	70	68	64	65	66	70	68	63	54	63	71	67	56	53	56	60	67	70	65	61	62	65	67	66	66	63	64.9
Anderson	Maximum	84	82	87	95	93	85	89	76	79	86	85	86	79	66	87	85	84	69	62	66	79	76	77	81	74	84	87	87	84	70	79	80.7
	Minimum	69	70	72	67	67	71	65	65	62	62	65	65	53	53	....	....	....	51	52	56	58	62	67	67	61	63	67	67	62	60	61	^{c}62.9
Batesburg	Maximum	83	86	88	93	95	94	89	83	87	88	83	87	76	82	86	90	90	79	69	73	82	83	82	87	85	83	88	87	86	87	81	84.9
	Minimum	70	69	69	70	68	70	68	62	65	63	68	66	58	51	60	70	65	54	52	54	59	66	67	65	63	59	65	67	66	64	63	63.7
Calhoun Falls §§	Maximum	84	83	89	96	97	88	93	85	85	89	87	89	70	84	89	90	87	61	68	73	84	76	83	83	89	83	89	89	91	72	82	84.3
	Minimum	60	68	68	64	63	65	62	63	61	61	61	63	63	49	50	63	65	60	51	53	54	59	61	65	59	61	63	63	65	62	61	60.8
Camden §§	Maximum	91	91	93	98	98	94	94	92	89	92	91	93	73	82	90	93	93	58	74	78	85	77	86	87	73	82	92	90	88	87	83	86.7
	Minimum	67	70	71	66	67	69	68	68	60	61	67	67	65	55	57	63	64	55	55	55	59	60	67	67	67	67	69	66	65	62	63	63.9
Clemson College	Maximum	81	86	84	....	....	....	....	80	78	....	....	81	76	61	...	78	....	77	65	62	71	72	76	76	74	79	....	80	79	80	72	^{i}75.8
	Minimum	66	70	64	65	68	63	63	65	62	63	62	62	55	52	56	60	64	54	54	53	58	63	65	63	61	62	62	64	60	62	63	61.4
Columbia	Maximum	82	86	89	94	94	91	85	82	85	89	88	90	75	79	85	86	90	64	67	74	81	84	83	82	68	82	90	88	86	72	81	83.0
	Minimum	71	72	71	69	70	72	68	62	66	65	69	67	53	53	61	72	64	54	54	53	61	70	68	66	61	60	69	69	71	65	65	64.8
Greenville	Maximum	83	78	82	90	88	81	85	72	72	84	81	83	69	62	81	81	81	63	62	67	74	76	77	79	68	81	83	84	79	66	73	76.9
	Minimum	67	68	69	66	66	69	66	62	60	63	63	65	48	48	60	62	63	50	52	56	58	63	66	63	60	62	63	66	63	59	60	61.5
Greenwood	Maximum	85	80	83	90	92	86	85	81	84	82	83	88	81	74	83	85	84	80	61	65	80	76	81	79	72	80	81	85	83	70	75	80.5
	Minimum	64	69	68	67	67	68	65	62	65	60	65	64	52	58	56	69	65	56	56	55	57	63	66	65	60	61	65	65	65	65	63	62.8
Heath Spring	Maximum	86	88	87	92	95	93	87	83	79	83	87	88	86	76	76	86	87	86	86	85	82	81	82	80	81	79	86	87	82	78	77	84.2
	Minimum	61	63	62	62	62	71	68	62	61	62	64	66	52	50	58	70	65	56	52	52	57	56	58	57	60	58	65	68	66	60	63	60.9
Kershaw	Maximum	89	89	90	94	96	92	87	84	84	90	89	90	82	81	88	90	89	68	74	77	81	84	84	80	69	80	89	88	82	73	80	84.3
	Minimum	70	69	71	66	65	70	68	62	62	63	65	66	51	51	59	70	64	54	52	54	58	68	68	66	59	60	64	67	63	62	63	62.9
Landrum	Maximum	87	81	86	92	91	86	88	76	68	87	86	86	74	66	84	84	85	66	67	68	75	78	79	78	69	82	86	87	80	69	76	79.6
	Minimum	60	70	66	68	65	72	65	63	58	57	56	64	50	49	55	58	60	48	48	48	55	59	65	63	56	58	58	70	62	58	61	59.5
Laurens §§	Maximum	84	82	....	90	92	81	84	82	83	83	83	87	86	....	72	84	83	64	63	70	79	78	80	79	82	80	86	85	83	77	78	^{b}80.7
	Minimum	62	65	70	....	61	63	60	61	62	60	60	60	....	52	51	52	62	56	51	51	54	58	63	67	61	60	61	64	58	65	68	^{b}59.9
Liberty	Maximum	85	81	85	91	91	85	87	80	73	85	85	85	75	63	83	82	83	70	63	69	76	77	78	80	75	83	86	87	82	71	75	79.7
	Minimum	68	70	71	66	65	70	73	65	61	63	62	64	53	53	57	60	63	52	53	57	57	63	67	67	61	67	62	61	61	60	69	62.6
Little Mountain	Maximum	84	85	89	92	96	90	86	84	85	86	87	88	80	79	86	86	85	65	62	72	75	82	79	76	74	80	86	87	84	73	75	81.9
	Minimum	70	70	70	70	70	68	68	61	63	65	68	60	63	50	60	61	65	51	52	54	58	60	69	65	60	65	66	67	76	63	64	63.6
Meriwether	Maximum	....	....	....	94	96	....	95	....	90	93	90	89	....	....	89	89	....	....	69	75	83	82	88	....	88	88	87	90	90	....	....	....
	Minimum	....	....	....	60	62	65	63	61	62	61	60	60	63	64	63	....	....	57	62	53	54	62	67	60	60	60	61	65	64	....	....	....
Monetta	Maximum	84	86	88	94	95	90	88	85	88	89	89	89	80	83	88	90	89	81	66	76	83	82	81	80	80	84	89	87	87	80	81	84.9
	Minimum	70	69	69	66	68	69	65	62	64	64	67	64	57	52	58	71	64	54	53	54	58	66	62	65	63	60	65	66	65	65	64	63.2
Newberry	Maximum	83	87	89	95	97	91	90	87	87	88	90	92	85	80	90	91	87	83	65	74	84	85	85	83	75	87	89	89	84	80	84	85.7
	Minimum	70	70	73	65	65	68	65	61	67	63	65	65	53	51	57	71	65	53	52	51	59	69	69	67	61	61	64	66	65	64	65	63.2
Saluda	Maximum	81	85	89	95	95	89	88	85	87	87	87	90	82	83	87	90	90	80	69	77	83	83	88	80	80	85	89	87	86	77	80	84.8
	Minimum	69	69	67	63	63	66	62	60	64	60	63	65	54	51	55	70	63	53	53	50	55	65	68	65	61	60	63	66	61	65	67	61.8
Santuck	Maximum	88	85	88	95	98	90	88	84	85	89	89	91	80	74	88	90	87	68	68	74	82	81	83	80	70	81	88	87	84	72	82	83.5
	Minimum	69	68	70	64	65	68	66	60	60	65	63	64	49	49	55	69	65	50	52	51	58	64	67	66	59	60	65	67	62	60	63	61.7
Spartanburg	Maximum	88	81	86	93	93	85	87	79	78	88	88	88	72	68	86	88	86	70	68	67	80	79	84	83	83	84	88	88	81	69	78	81.8
	Minimum	66	66	70	65	64	68	63	63	59	60	60	64	49	48	55	65	65	54	50	52	56	62	66	66	59	59	62	64	61	58	61	60.6
Trenton	Maximum	87	85	87	91	94	89	90	85	88	89	87	89	70	81	86	88	87	72	68	76	81	81	81	77	79	81	86	88	87	86	84	83.9
	Minimum	60	61	69	69	71	71	66	62	64	64	66	66	61	52	52	65	65	52	53	54	56	66	68	66	62	62	68	60	66	64	63	62.7
Walhalla	Maximum	87	79	86	92	91	86	88	78	69	85	83	85	73	62	83	84	84	70	62	69	72	77	78	81	72	85	87	87	82	72	77	79.5
	Minimum	69	....	....	65	66	65	53	58	54	57	65	55	46	44	50	55	52	47	47	50	50	54	60	62	60	55	53	64	66	66	62	^{b}56.9
Winnsboro	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	84	84	81	....	....	89	88	87	73	80	....
	Minimum	63	69	69	68	68	68	...	61	62	65	66	66	58	52	52	60	65	56	51	....	....	59	69	66	60	...	....	68	67	61	62	^{e}62.7
Winthrop College	Maximum	89	85	80	92	95	88	85	81	81	85	88	90	90	71	87	89	87	71	75	76	83	81	84	76	69	80	89	89	82	70	78	82.8
	Minimum	57	70	70	65	65	70	64	61	62	65	67	67	50	48	54	69	65	52	50	51	60	65	66	66	59	61	65	67	63	60	62	61.8

Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing: For example, ^{b} represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Departure of the Mean Temperature from the Normal, October, 1919



Shaded portions show excess (+). Unshaded portions show deficiency (−). Lines show amount of excess or deficiency.

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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

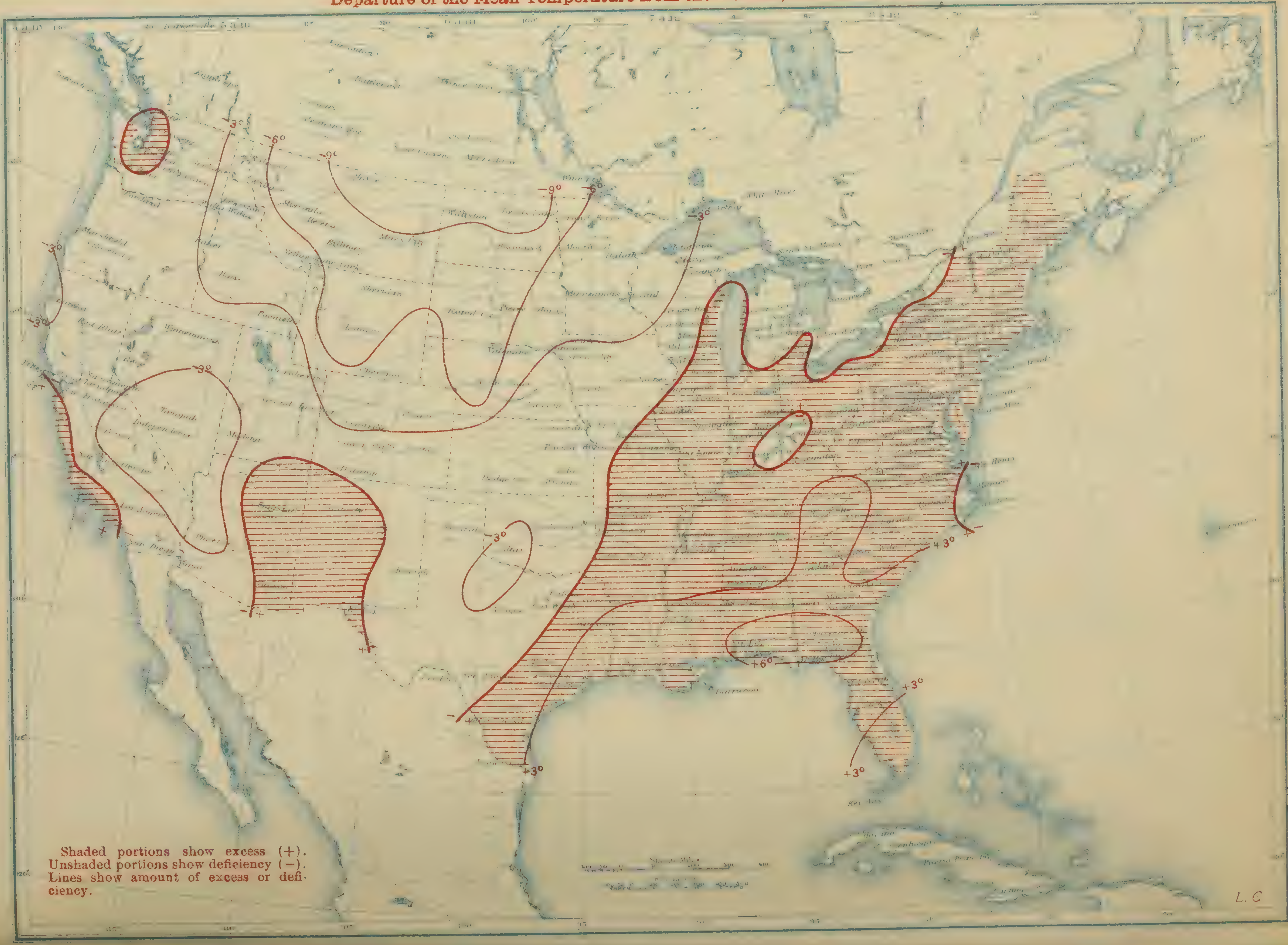
SOUTH CAROLINA SECTION

NOVEMBER, 1919

BY
RICHARD H. SULLIVAN
METEOROLOGIST

WEATHER BUREAU OFFICE
COLUMBIA, S. C.
December 22, 1919

Departure of the Mean Temperature from the Normal, November, 1919.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

SOUTH CAROLINA SECTION.

RICHARD H. SULLIVAN. Meteorologist.

Vol. XXII. Columbia, S. C., November, 1919 No. 11.

GENERAL SUMMARY.

The month was remarkably dry, as a whole, and a considerable number of stations reported the lightest November rainfall of record. In the fragmentary record of Charleston, running back to 1738, the total precipitation equaled the lowest previous November amount (1849). Thermal conditions ranged considerably above the seasonal average, with unusual warmth during the opening days and the closing week, and the Section absolute maximum temperature equaling the November record. The first general killing frosts and freezing temperatures of the season occurred on the 14th and 15th, reaching nearly to the coast.

The dry weather and hard soil incident thereto materially delayed winter grain plowing and planting, and this work was not finished at the close of the month; however, wheat, oats, and rye germinated fairly well. The growth of cotton ended with the cold wave of the 14th and 15th; mild weather up to that time materially increased production in the late crop up-State, and the yield has exceeded expectations; picking was practically finished by the closing week. Cabbage and turnips were not damaged much by the frosts, but field and garden truck slowly deteriorated as the drought was prolonged. The weather was generally favorable for housing and marketing late crops, some hog-killing, and other outdoor work.

PRESSURE.

The mean sea-level pressure, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was 30.12 inches. The highest pressure in the region covered by reports was 30.75 inches at Asheville, N. C., on the 21st, and in the Section proper, 30.69 inches at Columbia on the same date; the lowest pressure was 29.63 inches at Charlotte, N. C., on the 2d, and in the Section proper, 29.68 inches at Greenville on the same date.

TEMPERATURE.

The monthly mean for the Section, determined from reports of 44 stations, was 56.6°, or 2.8° above the established normal. The highest temperature was 92° at Garnett, Hampton County, on the 2d, equaling the absolute maximum temperature reading for November, which was recorded at Trial, near Ferguson, Orangeburg County, on the 25th, 1900. The warmest periods of the month were from the 1st to 5th, between the 10th and 13th, and during the last week. The lowest temperature was 20° at Bowman, Orangeburg County, on the 15th and 20th. The coolest period was between the 14th and 21st, and killing frosts and freezing temperatures reached nearly to the coast for the first time during the season on the 14th and 15th.

HUMIDITY.

The mean relative humidity, determined from reports of 8 regular Weather Bureau stations in and surrounding the Section, was as follows: 8 a.m., 78%; 8 p. m., 64%. The highest percentages occurred over the eastern coast district, and the lowest, over the central counties.

PRECIPITATION.

The average for the Section, 57 stations reporting, was 0.86 inch, or 1.38 inches below the established normal. The rainfall, confined principally to light showers, occurred during three short periods of the first, middle, and last parts of the month and was fairly well distributed as to area. Precipitation was generally below normal, except in a small area of the northwestern counties, where the amounts ranged from 2 to nearly 4 inches; elsewhere, the amounts were generally below 1 inch and ranged downward to nothing in northern Dorchester and southern McCormick Counties. In fact, a considerable number of stations on the coastal plain and in the central counties reported the lowest rainfall of record, and Charleston reported the lightest rainfall since 1849, the amount then recorded being the same as this month and the lowest November rainfall of record back to 1738. The greatest local monthly amount was 3.96 inches at Landrum, Spartanburg County; least local monthly amount, 0.00 inch at Meriwether, McCormick County, and St. George, Dorchester County. The greatest amount during any 24 hours was 1.78 inches at Greenville, Greenville County, on the 11th. The number of rainy days was 40% below normal.

No snowfall was reported during the month.

WIND.

The prevailing wind was from the northeast. The average hourly velocity, determined from 8 anemometer records, was 7.6 miles. The highest average velocity in the region covered by reports was 11.2 miles per hour at Savannah, Ga., and in the Section proper, 11.0 miles per hour at Charleston; the lowest average velocity was 4.6 miles per hour at Charlotte, N. C., and in the Section proper, 5.2 miles per hour at Columbia. The highest velocity for any 5-minute period was 44 miles per hour from the west at Savannah, Ga., on the 1st, and in the Section proper, 37 miles per hour from the west at Greenville on the same date.

SUNSHINE AND CLOUDINESS.

The average monthly sunshine, determined from 8 automatic records, was 190.0 hours, or 61% of the possible amount. The average number of clear days was 18; partly cloudy, 6, and cloudy, 6, as against normals of 17, 6, and 7 days, respectively.

RIVER CONDITIONS.

The rivers of the Section were generally low throughout the month.

MISCELLANEOUS PHENOMENA (dates).

Killing frosts or freezing temperatures.—Number of stations: 14th, 19; 15th, 18; 16th, 1; 20th, 1; 21st, 2.

Halos (*lunar*).—Charleston, 1; Greenville, 1; Little Mountain, 27; Walhalla, 1, 6, 27. *Solar:* Columbia 16; Greenville, 8, 16, 28.

MISCELLANEOUS DATA FOR NOVEMBER, 1919.

Stations.	Barometer, sea level.	Temperature, degrees Fahr.			Precipitation, inches.		Wind.		Mean relative humidity.		Percentage of possible sunshine.
		Mean.	Highest.	Lowest.	Total.	Greatest 24 hours.	Average hourly velocity, miles.	Prevailing direction.	8 a. m.	8 p. m.	
Asheville, N. C.	30.16	48.4	73	22	0.54	0.25	8.7	se.	82	64	56
Augusta, Ga.	30.09	58.8	86	32	0.43	0.24	4.9	nw.	84	65	64
Charleston, S. C.	30.10	62.2	83	41	0.23	0.11	11.0	ne.	73	70	72
Charlotte, N. C.	30.13	52.9	79	28	1.02	0.47	4.6	ne.	74	59	56
Columbia, S. C.	30.13	57.3	85	29	0.10	0.05	5.2	ne.	77	53	58
Greenville, S. C.	30.11	53.4	77	30	3.09	1.78	7.8	ne.	72	63	57
Savannah, Ga.	30.10	62.6	84	39	0.75	0.50	11.2	ne.	76	71	56
Wilmington, N. C.	30.12	56.8	82	30	0.07	0.05	7.5	ne.	82	69	68
Means and extremes	30.12	56.6	86	22	0.78	1.78	7.6	ne.	78	64	61

Climatological Data for November, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				Number of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	With precip. 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Eastern Portion.																				
Allendale	Allendale	186	30	60.6	+7.3	87	2	29	15	38	0.36	−1.30	0.20	0	3	14	14	2	n.	R. B. Vance.
Blackville	Barnwell	296	30	57.8	+2.4	89	† 1	28	†20	42	0.20	−1.85	2.20	0	1	26	4	0	w.	Mrs. D. B. Sanders.
Bowman	Orangeburg	160	18	57.4	+3.2	90	1	20	†15	55	0.10	−1.87	0.06	0	2	17	13	0	w.	B. O. Evans.
Charleston	Charleston	48	48	62.2	+4.1	83	1	41	20	25	0.23	−2.64	0.11	0	5	12	9	9	ne.	U. S. Weather Bureau.
Cheraw	Chesterfield	144	29	55.3	+3.3	83	† 1	28	†20	40	0.21	−1.98	0.21	0	1	....	....	....	......	Roland D. Powe.
Conway	Horry	25	33	57.8	+3.7	86	1	25	15	43	0.42	−1.86	0.22	0	4	13	0	17	ne.	Paul Quattlebaum.
Darlington	Darlington	175	24	^{c}56.4	+4.3	^{c}86	1	^{c}24	†20	^{c}40	0.22	−2.06	0.12	0	2	24	1	5	......	D. C. McCall.
Edisto ‡‡	Bamberg	143	31	......	......	....	....	....	....	....	0.18	−2.13	0.10	0	2	....	....	....	......	Nathan Jenkins.
Effingham	Florence	106	26	......	......	....	....	....	....	....	0.28	−1.96	0.12	0	3	....	....	....	......	Wm. B. Gillespie.
Ferguson	Orangeburg	63	33	56.2	+1.1	88	1	21	20	51	0.06	−2.32	0.06	0	1	....	....	....	......	Henry C. Savage.
Florence 1	Florence	136	30	57.0	+3.2	86	1	29	†14	49	0.86	−1.25	0.60	0	5	15	12	3	sw.	H. K. Gilbert.
Florence 2	....do	136	4	......	......	....	....	....	....	....	0.52	−1.59	0.30	0	3	20	9	1	sw.	Pee Dee Experiment Sta.
Garnett	Hampton	82	1	60.7	......	92	2	24	15	46	0.37	......	0.22	0	2	12	13	5	sw.	Maner B. Robert.
Georgetown	Georgetown	12	24	57.6	+1.6	88	1	31	†20	44	0.60	−1.83	0.25	0	3	18	10	2	n.	A. P. Hazard.
Kingstree	Williamsburg	54	30	58.6	+3.8	85	1	25	†15	41	0.43	−1.75	0.30	0	2	20	1	9	ne.	W. H. Matthews.
Oaks	Georgetown	.....	4	^{h}56.4	......	^{h}87	4	^{f}25	21	^{h}40	0.47	....	0.15	0	4	20	9	1	n.	O. M. Mitchell.
Orangeburg 1	Orangeburg	264	3	58.7	......	88	1	26	†14	45	0.16	....	0.16	0	1	18	9	3	e.	U. S. Fisheries Station.
Orangeburg 2	.....do	264	....	......	......	....	....	....	....	....	0.36	....	0.36	0	1	15	11	4	ne.	State A. and M. College.
Paris Island	Beaufort	13	1	63.6	+5.0	86	† 1	41	21	29	0.76	−1.48	0.65	0	4	15	2	13	ne.	U. S. Marine Corps.
Pinopolis **	Berkeley	54	69	57.2	+2.6	84	1	29	15	....	0.38	−2.12	0.35	0	2	....	....	....	nw	Miss E. P. Ravenel.
Rimini	Clarendon	97	5	......	......	....	....	....	....	....	0.42	....	0.28	0	2	....	....	....	......	William B. Wolfe.
St. George	Dorchester	109	30	63.9	+8.7	88	1	38	15	31	0.00	−1.95	0.00	0	0	28	0	2	sw.	Miss Alma T. Whiteside.
St. Matthews	Calhoun	62	23	59.5	+5.0	88	2	26	21	44	0.09	−2.05	0.06	0	2	25	5	0	e.	Miss Frances M. Antley.
Society Hill	Darlington	192	27	^{a}55.3	+3.1	^{a}87	1	^{a}24	20	^{a}39	0.33	−1.94	0.14	0	3	19	6	5	ne.	A. H. Rogers.
Summerville	Dorchester	75	21	^{a}59.6	+4.2	^{a}83	† 1	^{a}29	16	^{a}38	0.29	−2.06	0.15	0	3	14	10	6	......	Miss E. H. Gadsden.
Walterboro	Colleton	69	16	......	......	....	....	....	....	....	....	......	....	....	....	....	....	....	......	J. N. Frank.
Yemassee	Hampton	24	23	60.5	+5.5	86	1	27	15	43	0.32	−1.74	0.18	0	2	24	1	5	ne.	W. C. Hutson.
Division means and	extremes	.....	....	58.7	+4.0	92	2	20	†15	55	0.33	−1.82	0.65	0	2	18	7	5	ne.	
Western Portion.																				
Aiken	Aiken	527	58	59.2	+5.3	86	1	33	20	39	0.20	−2.51	0.20	0	1	22	1	7	n.	Frank B. McCoy.
Anderson	Anderson	764	23	54.3	+1.5	84	1	31	14	35	2.14	−2.66	0.93	0	5	21	0	9	e.	H. H. Russell.
Batesburg	Lexington	656	30	57.2	+3.5	85	1	32	14	34	0.28	−2.30	0.19	0	4	15	9	6	ne.	E. J. Hite.
Blairs	Fairfield	293	16	......	......	....	....	....	....	....	0.65	−1.69	0.24	0	3	....	....	....	......	J. N. Owens.
Calhoun Falls	Abbeville	508	26	^{d}54.2	......	^{d}83	1	26	15	^{d}43	0.98	−1.33	0.46	0	4	16	7	7	n.	L. M. Parker.
Camden	Kershaw	222	59	59.8	+8.0	86	1	30	15	35	0.19	−2.26	0.12	0	2	19	7	4	ne.	W. C. Brown.
Catawba	York	562	15	......	......	....	....	....	....	....	0.71	−1.73	0.71	0	2	....	....	....	......	James C. Faris.
Chappells	Newberry	402	15	......	......	....	....	....	....	....	0.76	−1.63	0.30	0	4	....	....	....	......	J. J. Murran.
Clemson College	Oconee	850	27	53.2	+2.8	77	2	28	21	35	2.60	−0.16	1.10	0	3	22	2	6	se.	Prof. F. H. H. Calhoun.
Columbia	Richland	351	32	57.3	+3.5	85	1	29	15	34	0.10	−2.13	0.05	0	3	12	12	6	ne.	U. S. Weather Bureau.
Edgefield	Edgefield	.....	5	......	......	....	....	....	....	....	0.30	....	0.30	0	1	....	....	....	......	J. A. Townsend.
Gaston Shoals ‡‡	Cherokee	680	6	......	......	....	....	....	....	....	2.34	−0.23	1.21	0	7	....	....	....	......	S. C. Lt., Power & Ry. Co.
Greenville	Greenville	1039	26	53.4	+3.7	77	1	32	18	32	3.09	−0.09	1.78	0	7	12	7	11	ne.	U. S. Weather Bureau.
Greenwood	Greenwood	671	30	54.3	+2.3	80	1	28	21	36	1.03	−1.72	0.30	0	5	22	0	8	w.	M. M. Calhoun.
Heath Spring	Lancaster	568	18	56.4	+5.5	78	3	25	21	46	0.49	−2.08	0.25	0	2	16	7	7	e.	J. Marvin Bowers.
Kershaw	Kershaw	500	3	55.1	......	82	1	25	20	38	0.42	......	0.21	0	4	21	0	9	e.	John W. Hamel.
Landrum	Spartanburg	1063	4	52.2	......	80	1	24	21	45	3.96	....	1.08	0	8	17	3	10	......	R. Hartwell Wilds, D.D.S.
Laurens	Laurens	589	1	^{a}52.3	......	^{a}81	1	^{a}23	21	^{a}44	1.21	......	0.83	0	3	16	3	11	......	Perry A. Simpson.
Liberty	Pickens	900	20	53.5	+2.8	79	1	29	†14	39	3.72	+0.93	1.68	0	7	13	9	8	se.	John T. Boggs.
Little Mountain	Newberry	711	26	56.3	+2.5	81	1	32	†15	37	0.30	−2.21	0.30	0	1	14	3	13	e.	J. M. Sease, M. D.
Meriwether	McCormick	450	16	......	......	^{e}85	1	....	....	....	0.00	−2.68	0.00	0	0	....	....	....	......	Mrs. Marie R. Middleton.
Monetta	Saluda	400	12	58.4	+4.0	84	1	31	21	38	0.36	−1.81	0.17	0	4	12	14	4	ne.	Joseph M. Johnson.
Newberry	Newberry	502	16	55.8	+4.0	88	1	25	21	40	0.92	−2.05	0.40	0	4	12	6	12	ne.	Warren G. Peterson.
Pelzer	Anderson	850	15	......	......	....	....	....	....	....	2.98	+0.43	1.24	0	5	....	....	....	......	Joshua Y. Jones.
Saluda	Saluda	536	18	54.8	+1.8	85	1	24	15	46	0.51	+2.02	0.30	0	2	25	1	4	s.	Mrs. F. V. J. Maxwell.
Santuck	Union	512	26	54.0	+2.9	82	1	26	21	37	1.24	+1.57	0.89	0	4	13	9	8	ne.	E. W. Jeter.
Spartanburg	Spartanburg	875	36	53.0	+2.3	82	1	26	20	39	3.71	+0.84	1.70	0	5	....	....	....	......	F. P. Robinson.
Trenton	Edgefield	620	30	57.2	+2.3	84	1	31	21	35	0.33	−2.25	0.33	0	1	19	3	8	e.	Mrs. S. E. Long.
Walhalla	Oconee	1061	16	53.2	+2.4	79	1	27	15	43	3.46	+1.05	1.26	0	7	13	7	10	se.	H. W. Brandt.
Winnsboro	Fairfield	545	28	......	......	....	....	^{h}26	21	....	0.18	−1.96	0.17	0	2	....	....	....	ne.	Rev. Oliver Johnson.
Winthrop College ‡‡	York	690	19	53.4	+1.7	76	27	26	†19	44	1.00	−1.36	1.00	0	1	14	11	5	n	W. P. Goodman.
Division means and	extremes	.....	....	54.9	+2.8	88	1	23	21	46	1.30	−1.30	1.78	0	4	16	6	8	ne.	
Section means and	extremes	.....	....	56.6	+2.8	92	2	20	†15	55	0.86	−1.38	1.78	0	3	18	6	6	ne.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. Reference letters (^{a}, ^{b}, ^{c}), appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ** Temperature data are from observed readings of the dry bulb; means are computed from observed readings. ‡‡ Postoffice addresses of these stations are as follows: Of Edisto, Embree; of Gaston Shoals, Blacksburg; of Winthrop College, Rock Hill.
T. Precipitation is less than 0.01 inch of rain or melted snow.

Daily Precipitation for November, 1919.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Eastern Portion.																																	
Allendale ||||	Savannah		.13										.03																		.20		0.36
Blackville ||||	Edisto		20																														0.20
Bowman	do	T.										T.																.04			.06		0.10
Charleston ***	Coast	.09	.01		.01							T.		.01																T.	.11		0.23
Cheraw ||||	Pee Dee												T.																		.21		0.21
Conway ||||	Waccamaw		.08			.12																								.03	.19		0.42
Darlington ||||	Pee Dee																											.10		T.	.12		0.22
Edisto ||||	Edisto																											.08			.10		0.18
Effingham ||||	Lynches	T.	.12		T.	.05																								T.	.11		0.28
Ferguson ||||	Santee													T.														.06					0.06
Florence 1 ||||	Pee Dee		.05			.14						.60																.02			.05		0.86
Florence 2 ||||	do		.10				.12						T.		.30																T.		0.52
Garnett	Savannah		.15											T.																	.22		0.37
Georgetown	Coast	.20												.15																	.25		0.60
Kingstree ||||	Black														.30															.13			0.43
Oaks	do	.08			T.							T.	T.	.15	.10													T.			.14		0.47
Orangeburg 1	Edisto		.16																														0.16
Orangeburg 2	do		.36																														0.36
Paris Island	Coast	.01	.65	.04									.01															.05					0.76
Pinopolis	Cooper													.03																	.35		0.38
Rimini ||||	Santee		.28		.14																												0.42
St. George ||||	Edisto																																0.00
St. Matthews ||||	Santee											.03																			.06		0.09
Society Hill ||||	do		.06									.14																			.13		0.33
Summerville	Ashley	.01	.13		T.							T.	T.	T.																	.15		0.29
Walterboro	Ashepoo																																
Yemassee ||||	do		.18										T.	T.																	.14		0.32
Western Portion.																																	
Aiken	Edisto		.20																														0.20
Anderson	Savannah		.20									.93	.45	.21																	.35		2.14
Batesburg ||||	Edisto		.19											.03														.02			.04		0.28
Blairs ||||	Broad		.16										.12	.13																	.24		0.65
Calhoun Falls ||||	Savannah											.04	.06	.42														T.			.46		0.98
Camden ||||	Wateree												.12																		.07		0.19
Catawba ||||	Catawba												.36	.35																			0.71
Chappells ||||	Saluda		.22										.15	.09																	.30		0.76
Clemson College	Savannah	.90											1.10														T.			.60			2.60
Columbia ***	Congaree	.04										T.	.01													T.	T.			T.	.05		0.10
Edgefield ||||	Savannah																														.30		0.30
Gaston Shoals ||||	Broad		.17									.16	1.21	.55										.04		.03					.18		2.34
Greenville ***	Saluda	51						T.	T.		.02	1.78	.38	.03									T.			.01	T.		T.	.36			3.09
Greenwood ||||	do		.30									.15	.14	.22																	.22		1.03
Heath Spring	Wateree	.25											.21																				0.49
Kershaw ||||	Lynches		.21									.05		.04																	.12		0.42
Landrum	Broad	.32	.58									1.02	1.08	.57													.26			.06	.57		3.96
Laurens ||||	Saluda											.88		.01																	.37		1.21
Liberty	Savannah	.60						T.	T.		.02	.80	1.68										T.				.02			.15	.45		3.72
Little Mountain	Saluda																										T.				.30		0.30
Meriwether	Savannah																																0.00
Monetta	Edisto	T.	.14										T.	.04													.01				.17		0.36
Newberry	Saluda		.22											.15													.15				.40		0.92
Pelzer ||||	do		.60									.22	1.24	.50													T.	T.			.42		2.98
Saluda	do																										.21			.30			0.51
Santuck	Broad	T.										.12	.56	.33									T.							T.	.23		1.24
Spartanburg ||||	do		.32									.30	1.70	1.07														T.			.32		3.71
Trenton	Edisto											T.	T.																T.	.33			0.33
Walhalla	Savannah	.73							T.		T.	1.26	.54	.03												T.	.12		T.	.31	.47		3.46
Winnsboro	Broad																											.01			.17		0.18
Winthrop College	Catawba																			1.00													1.00

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. *** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. * Precipitation included in the next following measurement. ‡Separate dates of falls not recorded. T. Trace, or less than 0.01 inch.

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature.			Precipitation.		Average number of days.			Prevailing wind direction.
	Mean.	Highest.	Lowest.	Average.	Average days with 0.01 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1887	52.3	78	18	0.82	4				nw.
1888	52.7	82	22	2.77	8				
1889	54.8	84	18	3.84	6				w.
1890	58.4			0.64					
1891	51.9	82	15	2.48					ne.
1892	53.9	86	14	1.96					sw.
1893	52.9	87	15	2.11	5	14	8	8	ne.
1894	52.3	83	17	2.02	4	18	7	5	nw.
1895	54.4	88	21	2.35	6	12	8	10	ne.
1896	59.1	90	26	4.00	7	12	8	10	ne.
1897	55.3	88	23	1.99	5	16	7	7	sw.
1898	51.0	82	14	4.72	10	14	6	10	ne.
1899	55.0	86	22	2.41	5	16	6	8	ne.
1900	55.6	92	22	3.32	6	13	8	9	sw.
1901	48.2	85	17	1.01	5	21	4	5	n.
1902	59.2	89	22	3.80	6	13	7	10	ne.
1903	50.9	86	10	1.40	5	14	8	8	n.
1904	51.6	80	22	2.78	6	17	6	7	w.
1905	54.5	90	21	1.31	3	17	6	7	sw.
1906	53.8	89	20	0.96	3	18	8	4	ne.
1907	52.2	87	24	4.13	10	12	7	11	ne.
1908	56.6	88	24	1.60	3	16	10	4	sw.
1909	58.3	88	20	0.97	3	18	9	3	sw.
1910	51.1	85	24	1.04	4	20	6	4	w.
1911	51.2	83	19	3.30	8	13	10	7	ne.
1912	52.1	84	17	2.71	4	22	4	4	w.
1913	53.5	89	18	1.79	2	21	5	4	w.
1914	52.4	86	17	3.33	6	19	4	7	w.
1915	56.3	88	24	2.36	4	22	4	4	w
1916	54.5	88	17	1.21	4	18	5	7	ne.
1917	50.4	83	16	0.82	4	21	4	5	ne.
1918	53.0	86	26	3.13	7	18	3	9	ne.
1919	56.6	92	20	0.86	3	18	6	6	ne.
Period	53.8	92	10	2.24	5	17	6	7	ne.

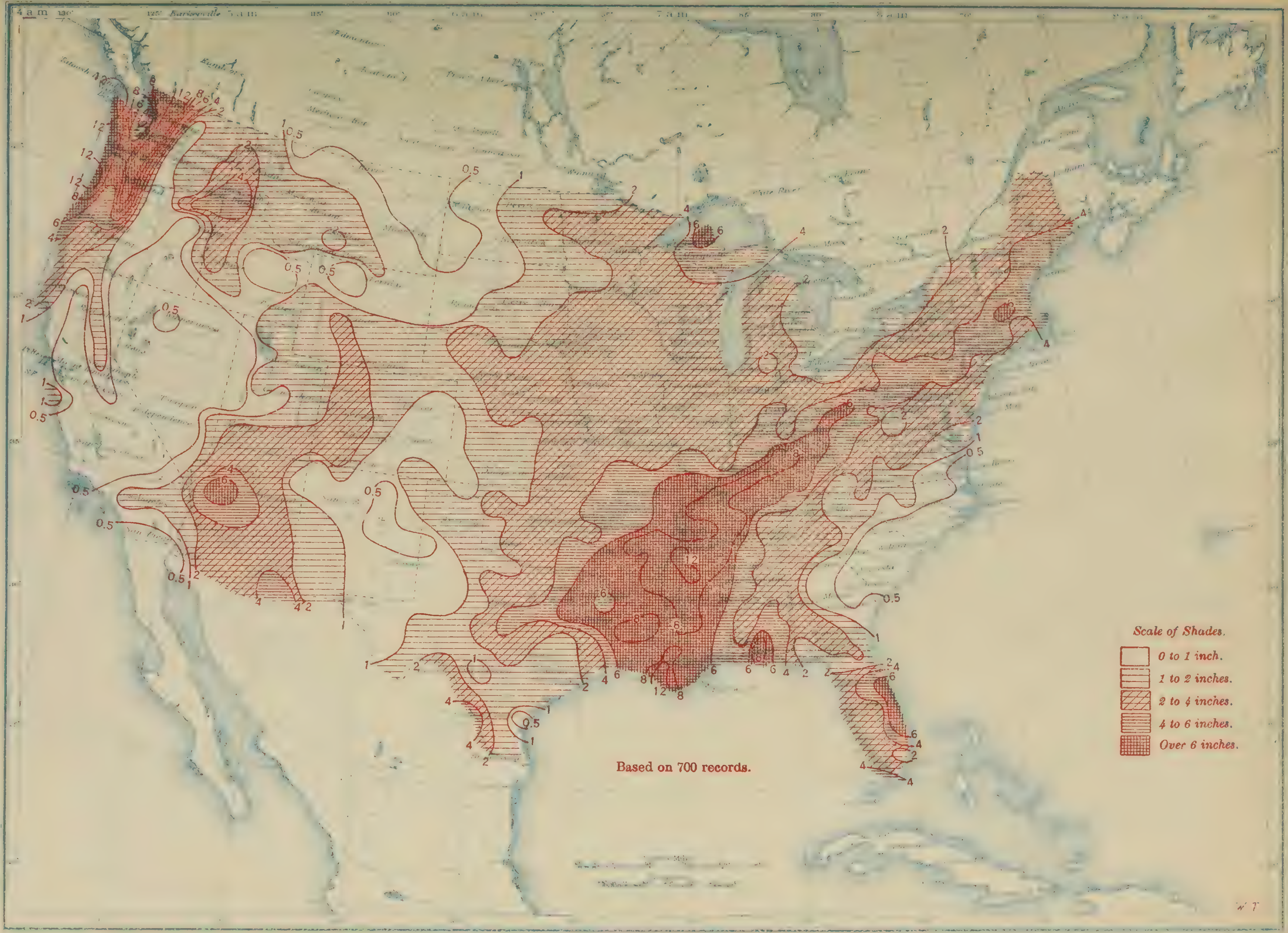
Daily Temperatures for November, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Eastern Portion.																																	
Allendale	Maximum	85	87	81	77	75	74	72	74	70	67	74	75	80	76	56	65	63	70	73	65	64	66	70	73	76	79	80	80	65	71	....	72.8
	Minimum	67	69	60	60	51	40	41	52	51	52	57	63	63	38	29	33	44	42	40	34	30	35	44	42	44	56	56	57	51	51	....	48.4
Blackville	Maximum	89	89	74	75	74	70	76	67	74	74	75	79	60	60	60	50	50	50	50	64	64	70	70	79	79	80	80	65	60	58	....	68.8
	Minimum	65	65	62	57	50	40	40	40	49	56	63	62	43	41	38	32	32	34	33	28	28	38	45	55	53	54	55	56	49	46	....	46.8
Bowman	Maximum	90	84	82	78	72	71	75	69	66	75	80	81	80	75	65	62	70	72	63	65	68	70	72	75	77	80	81	66	68	68	....	73.3
	Minimum	64	60	55	54	42	32	32	45	44	40	55	60	60	33	20	22	32	40	35	22	20	31	40	41	42	44	45	46	48	47	....	41.7
Charleston	Maximum	83	77	72	76	72	69	70	68	64	72	76	76	77	57	60	65	65	70	62	54	59	68	66	71	76	78	74	63	78	70	....	69.6
	Minimum	72	68	63	63	59	55	55	56	53	55	67	66	57	43	43	49	52	50	48	41	43	43	48	51	56	62	61	57	56	51	....	54.8
Cheraw	Maximum	83	71	68	69	66	73	64	62	60	65	67	66	74	53	60	60	65	69	56	53	58	65	65	61	71	77	75	61	68	63	....	65.6
	Minimum	67	68	49	49	50	39	41	48	43	43	58	58	62	34	29	32	34	36	38	28	28	33	42	43	41	49	61	52	47	48	....	45.0
Conway	Maximum	86	82	75	74	70	66	70	65	66	72	77	80	75	61	64	68	68	72	61	53	63	66	70	67	79	80	79	71	69	72	....	70.7
	Minimum	67	61	54	54	51	38	38	44	44	43	55	55	55	36	25	32	38	39	41	27	27	29	28	42	40	53	65	54	50	58	....	44.8
Darlington §§	Maximum	86	79	73	74	72	70	69	65	67	73	80	68	....	57	60	68	72	....	....	55	64	69	71	69	78	80	81	63	70	70	....	ᶜ70.5
	Minimum	67	68	48	50	48	36	37	43	42	39	45	55	....	....	25	29	33	37	....	24	24	29	37	40	38	45	60	52	41	47	....	ᶜ42.2
Ferguson §§	Maximum	88	84	82	78	70	68	74	72	69	75	78	79	69	49	61	63	69	78	63	49	61	64	70	71	78	81	82	72	68	52	....	70.6
	Minimum	67	63	57	55	46	41	33	45	43	41	50	50	52	36	28	25	35	32	32	21	23	25	33	36	39	51	59	54	47	35	....	41.8
Florence 1	Maximum	86	77	73	73	70	60	54	56	61	66	74	84	78	67	69	71	73	70	61	60	56	64	68	74	77	82	80	77	69	70	....	70.1
	Minimum	62	68	50	57	53	41	44	43	47	50	54	58	50	29	35	36	38	40	36	29	28	30	36	38	40	42	46	44	46	48	....	43.9
Garnett	Maximum	89	92	76	76	78	76	77	74	71	78	77	86	79	66	68	65	71	74	68	55	67	71	73	78	81	83	83	72	77	73	....	75.1
	Minimum	66	68	60	58	46	35	36	52	52	50	64	61	59	39	24	28	44	42	33	29	25	28	35	42	48	54	54	51	53	54	....	46.3
Georgetown	Maximum	88	85	81	81	74	72	70	72	68	58	80	82	82	57	65	70	78	73	63	57	62	70	72	65	79	69	82	70	79	68	....	72.4
	Minimum	68	69	57	56	51	41	42	46	47	40	56	61	61	38	37	38	41	44	40	31	32	31	40	50	47	52	64	50	55	52	....	47.9
Kingstree	Maximum	85	80	73	78	70	68	72	66	66	74	75	82	78	61	63	66	68	71	66	56	61	69	70	67	79	80	77	70	72	62	....	70.8
	Minimum	68	68	55	56	47	37	58	44	44	44	57	55	60	35	25	31	36	39	41	28	25	29	39	43	44	56	62	56	48	60	....	46.3
Oaks	Maximum	....	....	....	87	78	73	68	68	68	73	81	83	78	59	....	70	....	75	70	59	49	69	70	72	....	....	....	82	73	75	....	ᵇ71.8
	Minimum	....	....	57	55	47	38	39	43	45	45	55	54	45	34	26	32	38	....	34	27	25	30	38	44	....	....	....	42	50	44	....	ᶠ41.1
Orangeburg 1	Maximum	88	79	74	78	72	69	74	69	65	73	74	84	74	62	63	64	69	73	72	64	63	69	71	72	80	80	81	72	70	70	....	72.3
	Minimum	69	66	55	56	48	39	38	47	57	45	60	60	61	36	26	29	35	37	34	28	26	26	35	35	43	55	54	54	48	52	....	45.1
Paris Island §§	Maximum	86	73	76	72	74	71	72	70	69	77	86	84	80	66	62	63	60	69	63	55	65	70	70	75	70	78	82	74	84	79	....	72.5
	Minimum	72	69	64	63	61	55	55	58	57	55	61	65	62	43	43	48	53	50	48	42	41	42	48	51	55	49	59	59	55	62	....	54.8
St. George	Maximum	88	84	76	80	75	74	76	68	68	76	75	85	78	68	65	66	70	73	70	56	65	70	73	76	81	81	86	70	76	70	....	74.0
	Minimum	70	61	60	60	53	43	40	50	53	48	63	62	63	52	38	42	50	52	48	39	43	46	50	56	55	65	66	64	58	63	....	53.8
St. Matthews §§	Maximum	86	88	82	77	73	70	68	72	65	68	66	82	79	75	66	68	72	75	71	67	62	70	72	72	77	79	81	80	65	70	....	73.3
	Minimum	66	68	59	56	56	50	45	48	45	50	49	65	46	34	27	30	31	38	39	30	26	34	37	42	51	52	49	49	49	51	....	45.7
Society Hill §§	Maximum	87	75	70	72	69	67	65	62	64	68	68	77	65	53	63	65	69	71	58	51	60	68	70	....	76	80	79	63	70	68	....	ᵃ68.0
	Minimum	66	67	47	49	49	36	36	45	42	39	52	56	62	31	25	30	34	35	40	24	25	29	38	37	....	42	56	52	45	46	....	ᵃ42.6
Summerville	Maximum	83	79	73	73	69	68	....	67	65	77	83	79	76	64	62	64	64	70	61	54	61	68	68	71	76	79	80	72	78	72	....	ᵃ70.9
	Minimum	68	69	60	59	52	41	....	51	48	47	58	59	62	37	29	35	44	40	36	30	30	31	42	45	47	56	61	58	51	55	....	ᵃ48.3
Walterboro	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Yemassee	Maximum	86	81	77	74	76	76	77	74	69	76	75	81	77	59	66	66	66	75	66	65	67	71	72	77	78	81	86	68	78	66	....	73.5
	Minimum	70	68	59	57	50	36	37	52	51	48	61	61	59	38	27	35	42	42	36	32	28	29	40	48	45	57	58	54	52	53	....	47.5
Western Portion.																																	
Aiken	Maximum	86	82	70	72	70	69	71	69	64	70	72	78	73	66	61	61	67	70	68	56	60	67	61	74	76	77	76	66	65	72	....	69.6
	Minimum	69	65	54	57	50	48	46	49	49	47	64	64	61	35	35	39	42	44	46	33	34	40	35	42	49	57	56	55	49	52	...	48.9
Anderson	Maximum	84	76	66	73	70	67	66	59	60	55	64	71	64	54	45	54	59	60	69	54	59	66	68	71	62	67	73	59	57	62	....	63.8
	Minimum	64	52	52	52	47	44	45	49	45	44	50	54	50	31	32	35	38	35	34	34	33	38	43	43	45	55	52	52	52	44	...	44.8
Batesburg	Maximum	85	74	60	73	70	66	71	65	64	66	76	76	66	54	65	61	67	69	60	52	52	66	69	70	75	76	72	67	61	64	...	67.1
	Minimum	65	63	50	55	50	44	46	46	47	45	60	66	55	32	34	34	39	39	44	33	33	41	45	56	45	56	53	52	47	46	....	47.4
Calhoun Falls §§	Maximum	83	77	71	74	73	71	71	68	66	62	68	78	69	58	66	61	69	73	65	57	....	....	....	....	62	79	70	52	47	62	...	ᵈ67.0
	Minimum	62	55	50	48	45	38	40	42	45	43	47	58	57	32	26	28	29	30	37	29	26	30	35	37	42	43	48	47	47	42	....	41.3
Camden §§	Maximum	86	79	73	72	75	77	70	68	67	70	69	70	66	56	65	67	69	68	60	55	61	68	69	70	77	78	77	61	70	78	....	69.7
	Minimum	70	70	54	53	50	49	61	50	51	44	46	62	64	35	30	37	37	51	50	51	42	36	45	45	45	46	58	54	54	54	....	49.8
Clemson College	Maximum	76	77	67	68	66	61	61	58	57	55	62	68	65	51	56	56	59	63	64	57	53	63	63	66	66	65	67	58	55	58	....	62.0
	Minimum	64	55	52	51	46	39	45	48	49	46	50	60	45	31	30	32	32	32	39	29	28	39	43	46	46	53	58	53	48	44	....	44.4
Columbia	Maximum	85	74	68	75	69	66	69	64	62	67	70	75	67	53	61	62	67	71	60	52	58	67	69	67	76	76	74	58	71	70	....	67.4
	Minimum	68	59	52	56	51	47	46	48	50	45	62	63	47	37	29	37	37	37	40	34	33	35	44	50	50	59	56	52	48	44	....	47.2
Greenville	Maximum	77	69	61	71	66	64	63	55	55	51	59	68	60	56	62	59	65	70	56	51	61	67	65	66	59	66	70	56	51	61	....	62.1
	Minimum	63	56	51	53	48	48	43	47	46	44	50	57	41	30	32	39	36	38	41	33	33	38	38	46	45	55	53	49	45	43	....	44.7
Greenwood	Maximum	80	70	70	69	65	63	67	62	60	60	70	73	69	53	60	59	62	69	69	50	50	55	65	67	70	69	70	70	58	65	....	64.6
	Minimum	63	58	58	52	47	39	53	47	45	42	58	60	52	33	30	32	34	35	38	29	28	29	38	44	41	42	52	50	47	45	...	44.0
Heath Spring	Maximum	75	77	78	73	69	69	68	66	61	63	65	62	64	58	65	69	66	73	72	69	68	66	70	73	75	74	74	75	74	73	....	69.5
	Minimum	63	60	47	50	47	41	40	43	45	41	56	55	51	30	34	34	35	36	39	26	25	40	45	40	41	42	52	51	41	44	....	43.2
Kershaw	Maximum	82	73	69	75	68	67	64	62	63	65	66	75	69	54	62	64	68	72	58	54	60	67	69	65	72	77	76	65	55	67	...	66.8
	Minimum	65	62	42	50	43	38	38	43	45	40	58	57	50	31	28	33	35	38	36	25	29	33	45	40	42	57	54	52	41	48	...	43.4
Landrum	Maximum	80	72	64	71	70	64	59	57	55	53	57	65	64	55	62	60	66	73	64	51	57	69	61	64	58	61	72	61	51	59	...	62.5
	Minimum	58	59	50	48	45	36	45	45	42	40	48	56	52	26	27	29	29	33	42	26	21	31	41	46	38	52	47	51	46	44	....	41.9
Laurens §§	Maximum	81	61	65	72	67	65	68	59	60	59	62	74	60	52	60	60	63	70	57	51	57	....	67	67	65	71	73	57	64	63	....	ᵃ63.8
	Minimum	62	59	49	49	42	35	36	47	47	41	52	58	55	30	25	25	30	29	31	26	23	25	....	34	39	41	52	51	47	43	....	ᵃ40.8
Liberty	Maximum	79	70	64	71	68	64	63	58	60	55	61	68	68	53	61	54	63	69	60	58	56	68	66	70	59	66	73	63	53	55	....	63.2
	Minimum	64	55	54	51	46	40	43	48	47	46	48	48	48	29	29	34	31	33	38	30	37	34	45	46	45	50	54	53	46	41	....	43.8
Little Mountain	Maximum	81	78	70	71	67	60	59	60	60	65	70	75	70	58	60	62	65	68	60	56	60	62	67	70	75	74	72	65	59	67	....	66.1
	Minimum	60	60	56	52	50	46	43	46	46	45	43	61	58	33	32	33	35	38	43	32	40	40	41	50	56	58	55	53	45	45	...	46.5
Meriwether	Maximum	85	84	75	72	72	73	75	74	71	70	69	....	67	....	....	....	....	....	....	....	....	....	....	63	....	61	68	70	75	77	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Monetta	Maximum	84	78	71	74	71	69	73	67	62	67	72	77	72	63	67	61	68	70	66	56	61	66	69	73	76	76	74	71	64	69	...	69.6
	Minimum	66	64	51	55	52	44	43	47	48	46	61	62	60	34	31	36	39	39	43	33	31	37	44	47	45	56	54	53	48	48	....	47.3
Newberry	Maximum	88	80	70	73	70	68	70	65	65	63	70	77	73	59	62	63	67	71	60	53	59	66	69	67	77	75	73	65	68	57	....	68.1
	Minimum	64	62	50	50	46	37	39	48	47	43	45	67	56	33	27	27	31	31	31	29	25	31	35	44	44	65	54	52	47	46	....	43.5
Saluda	Maximum	85	78	70	72	68	67	71	70	65	66	78	79	72	60	62	62	66	69	61	53	58	66	69	72	70	75	74	65	62	68	....	68.1
	Minimum	63	62	50	52	43	35	36	35	45	40	58	58	66	31	24	25	28	30	28	25	20	27	33	46	45	43	50	47	46	47	....	41.1
Santuck	Maximum	82	72	66	70	66	66	67	61	61	59	67	73	65	52	60	61	64	68	65	56	56	65	67	63	64	72	68	68	55	64	....	64.8
	Minimum	62	56	49	52	45	38	48	46	45	40	53	60	50	29	28	31	33	31	39	27	26	33	39	43	39	52	57	53	46	43	....	43.1
Spartanburg	Maximum	82	73	65	72	69	66	62	58	58	54	60	70	66	54	62	59	64	72	62	49	58	66	66	56	61	69	69	55	53	60	....	63.0
	Minimum	64	53	49	51	46	37	40	46	46	41	49	57	48	28	29	32	33	34	41	26	28	35	43	43	42	53	55	51	47	42	....	43.0
Trenton	Maximum	84	76	76	72	72	75	73	66	64	70	71	77	69	57	63	64	68	68	69	52	61	65	69	72	75	72	71	60	68	60	....	68.6
	Minimum	63	60	52	55	50	43	48	48	47	47	60	60	50	35	35	38	39	39	41	34	31	40	42	42	45	45	53	53	40	36	...	45.7
Walhalla	Maximum	79	72	65	74	68	66	66	59	60	51	60	65	70	55	63	61	66	73	63	54	58	68	70	73	62	63	74	59	51	61	....	64.4
	Minimum	61	52	52	48	42	39	40	49	47	45	52	59	50	28	27	32	32	30	37	28	28	31	34	39	47	51	41	51	44	38	....	41.9
Winnsboro	Maximum	....	....	....	....	....	....	....	64	63	65	69	73	66	56	63	64	68	73	60	53	60	67	68	65	72	75	76	58	66	65	....	....
	Minimum	....	....	....	....	....	....	....	....	46	41	46	62	59	32	31	34	38	39	38	29	28	30	41	41	46	46	56	54	45	46	....	...
Winthrop College	Maximum	75	65	69	70	68	67	60	60	64	62	65	70	69	58	61	62	67	70	58	54	58	68	68	56	74	75	76	64	56	62	....	65.0
	Minimum	55	54	47	52	58	39	41	44	48	44	40	49	46	30	31	30	33	36	26	26	29	38	43	44	39	39	58	50	45	44	....	41.9

Reference letters (ᵃ, ᵇ, ᶜ), appearing in the table indicate number of days missing: For example, ᵇ represents two days missing, etc.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, November, 1919.



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